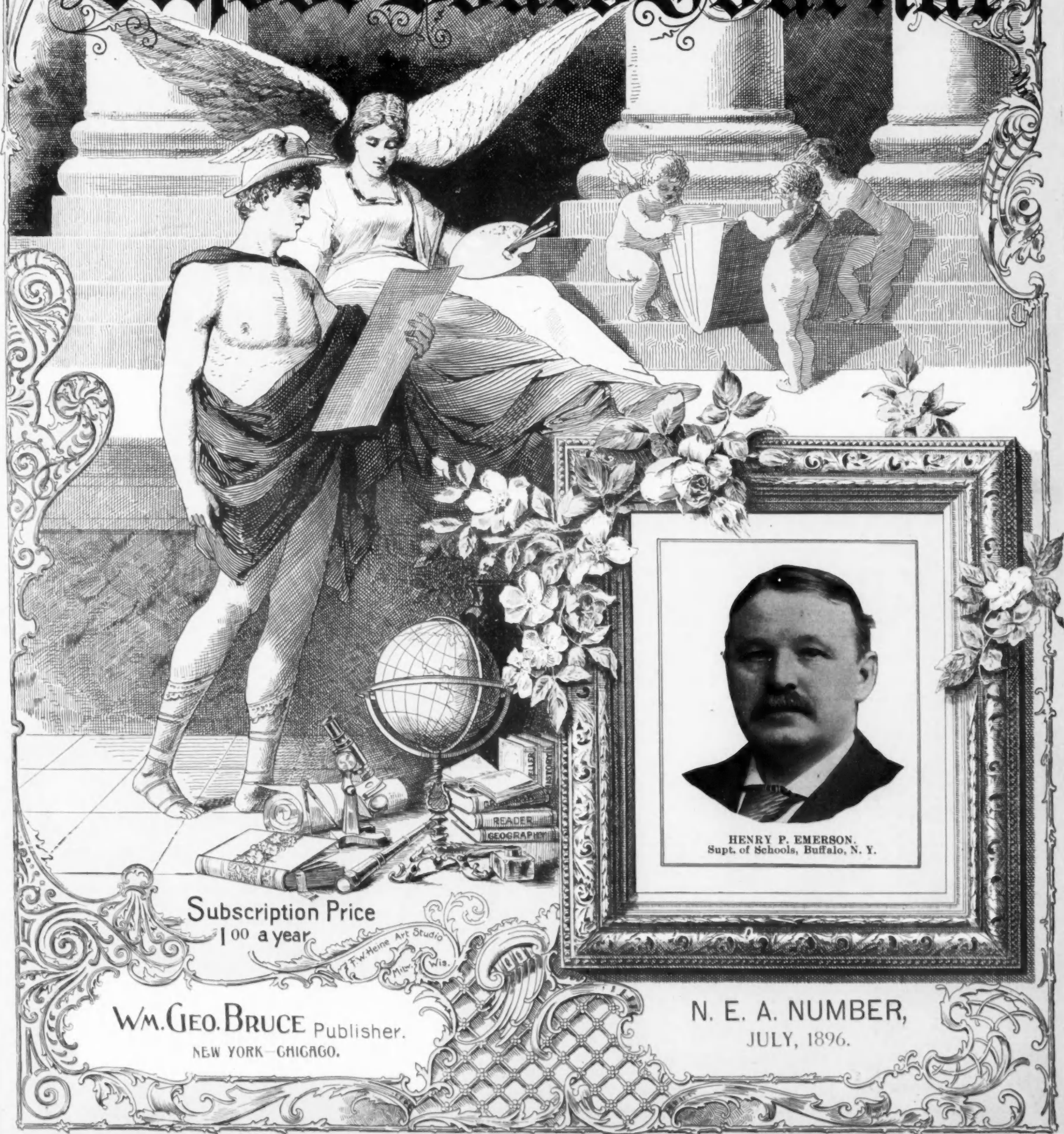


Vol. XIII

No. 1

THE AMERICAN School Board Journal



Subscription Price
1.00 a year

WM. GEO. BRUCE Publisher.
NEW YORK—CHICAGO.

N. E. A. NUMBER,
JULY, 1896.

THE PRICE OF THIS JOURNAL IS ONLY \$1.00 A YEAR.

EASTERN • TEACHERS' • AGENCY,

E. F. FOSTER, MANAGER.

Telephone 775-2.

50 Bromfield Street, Boston, Mass.

The Bridge Teachers' Agencies,

C. A. SCOTT & CO. Prop.,
Offices: 110 Tremont St., Boston.
169 Wabash Av., Chicago.
Correspondence solicited with employers of teachers.

THE COLORADO TEACHERS' AGENCY.

Can materially assist School Directors in Colorado and adjoining States in the selection of competent teachers. Send to us for your teachers.

FRED. DICK, MANAGER.

Room 303, McPhee Building, DENVER, COL.

CENTRAL EDUCATIONAL BUREAU

Studies ADAPTATION and thoroughly INVESTIGATES all candidates. Competent teachers cheerfully recommended. Established 1880.

1330 ARCH STREET, - - PHILADELPHIA.

ALBANY TEACHERS' AGENCY

Provides Schools of all Grades with Competent Teachers. Assists Teachers in Obtaining Positions. Correspondence is Invited.

Harlan P. French, Manager, 24 State St., Albany, N. Y.

Winchell's Teachers' Agency and Lecture Bureau, 262 Wabash Ave., CHICAGO.

50 Bromfield Street, Boston.

METROPOLITAN TEACHERS' AGENCY,

Irving Hazen, Mgr., 28 West 23d St., New York. Fifth Avenue and Broadway.

THE FISK TEACHERS' AGENCIES.

EVERETT O. FISK & CO., Proprietors.

SEND TO ANY OF THESE AGENCIES FOR 100-PAGE AGENCY MANUAL, FREE

4 Ashburton Place, Boston, 70 Fifth Ave., New York, 1242 Twelfth St., Washington, D. C.
355 Wabash Ave., Chicago, 25 King St., West Toronto, 420 Century Bldg., Minneapolis.
728 Cooper Bldg., Denver, 107 Keith & Perry Bldg., Kansas City, 525 Stimson Block, Los Angeles.

TEACHERS SEEKING BETTER POSITIONS and Superintendents and School Boards needing thoroughly competent teachers should correspond with H. N. ROBERTSON, Mgr., Southern Educational Bureau, Memphis, Tenn.

THE EDUCATIONAL EXCHANGE,

49 WESTMINSTER ST., PROVIDENCE, R. I.

No charge to school officers for recommending competent candidates. Good teachers in demand. Registration blanks for teachers, or application forms for facilitating correspondence of school officers, free on application.

Are YOU ready?
Sudden vacancies are every day occurring.

THE ALBERT & CLARK TEACHERS' AGENCY

We enlarge the horizon of teachers' opportunities.

C. J. ALBERT PULLMAN BLDG, CHICAGO. B. F. CLARK.



TEACHERS CO-OPERATIVE ASSOCIATION

101 The Auditorium Building - CHICAGO -

ESTABLISHED IN 1884.
POSITIONS FILLED, 4,000

Seeks Teachers who are ambitious for advancement rather than those without positions.



THE "Gorton Side-Feed" BOILER

Is just what you want for Steam and Hot Water Heating. Has advantages over any other boiler on the market for Steam and Hot Water Heating. Send for book "Modern House Heating" and investigate for yourself. Mailed free on application.

GORTON & LIDGERWOOD CO.,

96 Liberty Street, New York City.
CHICAGO-BOSTON.

AARON GOVE, Superintendent of Schools in Denver, Colo., and former president of the National Educational Association, said in the *Colorado School Journal* for December, 1891: "The Committee in securing Mr. C. W. Bardeen for an evening lecture at the Association, have given ample guaranty of a pleasant as well as interesting evening. Mr. Bardeen, a class-mate at Yale of Superintendent Coy, is one of the few level-headed and all-round school men of the land. He has not often been found with the extreme wing of any advance movement, but steadily both through his paper, the *School Bulletin*, and from the platform, taken a position near the centre where the movement has been constant and steady and from which one is never obliged to retreat because of indiscreet and hasty steps. He is probably the best authority to-day in the country on ability and qualifications of men and women candidates for given positions, with whom he has any acquaintance, and his acquaintances are thousands, acquired through a long life in the educational field. He should and will be very welcome in Colorado."

JUDGE RUGGLES When State Superintendent of Public Instruction for the State of New York, wrote to the State Superintendent of New Jersey, Sept. 22, 1885: "I have not the pleasure of a personal acquaintance with Mr. A. B. Poland, but I know Mr. C. W. Bardeen, of Syracuse, who vouches for him, and I have so much confidence in his sound judgment that any statement he may make as to Mr. A. B. Poland, I am sure may be implicitly and safely relied on; and I have no hesitation in endorsing anything he may deem proper to say in regard to the capabilities and standing of Mr. A. B. Poland as a teacher in this State." Mr. Poland got the place, and was afterward made State Superintendent himself.

THE SCHOOL BULLETIN AGENCY, C. W. BARDEEN, Syracuse, N. Y.

150 Fifth Ave., New York. Established 1880.

E. Miriam Coyrieve, Teachers' Agency

Colleges, schools and families supplied. Teachers placed. Schools conscientiously recommended to parents. Musical department. School property rented and sold.

95%

of the positions filled by us last year were direct applications from School Officials.

BEACON TEACHERS' AGENCY,

P. I. MERRILL Manager, 120 TREMONT STREET, BOSTON.

WINSHIP TEACHERS' AGENCY

WE MAKE PERSONAL SELECTIONS FOR THOSE WANTING FIRST-CLASS TEACHERS.

3 Somerset Street, - BOSTON.

W. F. JARVIS, Manager.

THE NEW AMERICAN TEACHERS' AGENCY.

THE C. B. RUGGLES CO.

OFFICES: 1257 EUCLID AVENUE, CLEVELAND; ROOM 47 WIGGINS BLOCK, CINCINNATI.

We put conscience, earnestness, and energy into all we do. Non but strong teachers, Governors, Principals, and Superintendents, and scholarly and practical Draughtsmen, Chemists, Pharmacists, Musicians, Electricians and Engineers win our direct and solid recommendation.

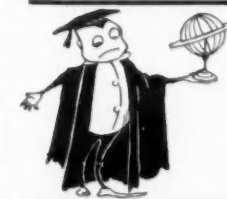
SEND FOR CIRCULAR.

J. M. OLCOTT,

HEADQUARTERS FOR Wall Maps, Globes, Natural State Blackboards, and all kinds of SCHOOL SUPPLIES
9 West 14th St., New York.

KINDERGARTEN AND SCHOOL SUPPLIES.

J. W. SCHERMERHORN & CO.
3 East 14th Street, New York.
Send for new Catalogue.



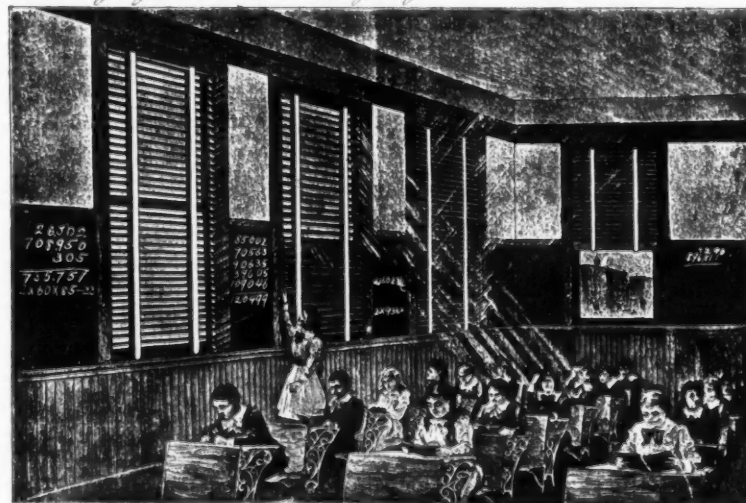
SUPERINTENDENTS AND BOARDS OF EDUCATION

Should know that we handle a superior line of Maps, Globes, Reading Charts, Flags, etc., at lowest rates. Practice, Test, Examination, Drawing, Legal, Foolscap or Typewriter Papers; Writing, Spelling, Specimen and Language Books, Mimeographs and supplies. Typewriter ribbons and supplies, always in stock at prices lower than you ever bought them before. Everything in school and office supplies. Write us.

SCHOOL AND OFFICE SUPPLY CO., Grand Rapids, Mich

SCHOOL BLINDS

"Showing regulation & control of light by our Venetian School Blinds"



Save the traveling expenses of an agent by writing for special prices

We also manufacture ROLLING PARTITIONS which are in general use for subdividing large rooms in Schools and Churches. Write for Catalogue and prices.

H. B. DODGE & CO.,
Suite 933, 108 La Salle St., Chicago.

MUSIC FOR INSTITUTES.

USE SONGS WITH WORDS BY

Longfellow, Lowell, Whittier, Holmes, Cary Sisters, Etc.

FROM THE RIVERSIDE SONG BOOK.

BOARDS, 40 cents; PAPER, 30 cents.

A descriptive circular with table of contents, topical index, sample pages, and commendation will be sent on application.

HOUGHTON, MIFFLIN & CO.,

4 Park St., Boston.

11 East 17th St., New York.

158 Adams St., Chicago.

NOTHING MORE

In this "ad" than to call your attention to the . . .

Creamer System of Penmanship

It isn't much, but it never fails to teach the children (and grown people) how to write. Designed for public school work and complete in six Regular Copy Books, Two Practice Pads, Teacher's Manual, and Cloth Black-board. Books 4, 5, and 6, each have 48 different copies, two on each page. Price, by mail, of either books or pads 96c per dozen, Teachers' Manuals FREE. On application, samples of book and pad sent to superintendents and school boards.

The Creamer Publishing Co., Washington C.H.O.

THE "MULTUM IN PARVO" RECORD.

(COPYRIGHTED.)

COMPACT.
CONVENIENT.
COMPREHENSIVE.

SCHOOL BOARDS

WANT TO KNOW OF IT.

WANT TO SEE IT.

WILL BUY IT.

Write
for
Circulars.

CHAS. B. OPP, Publisher,

220 Garrison St., Bethlehem, Pa.

Why

ARE MESERVEY'S TEXT-BOOKS IN BOOK-KEEPING

SO GENERALLY USED IN THE
HIGH AND GRAMMAR SCHOOLS?

Because

They fit in an especial manner the grades for which they are designed. . . .

Because the principles are so presented as to be easily taught, quickly understood and readily applied to any kind of business transaction. Meservey's text-books are extensively used by legal adoptions in every state, and are everywhere commended.

Sample of Single Entry sent for 35 cts; Single and Double Entry, 50 cts.

THOMPSON, BROWN & CO., BOSTON.
CHICAGO.

WILLIAMS & ROGERS'

Bookkeeping

TEXT BOOKS

Simplify the subject, reduce the work of the teacher to a minimum, and fascinate and stimulate the pupil in his work. They are the most popular, practical and widely used works on the subject now in print. The series comprises three books.

FIRST LESSONS IN BOOK-KEEPING, for use in graded and district schools.

NEW INTRODUCTIVE BOOK-KEEPING, for use in high schools and academies.

NEW COMPLETE BOOK-KEEPING, for use in normal schools and business colleges.

CIVIL GOVERNMENT. Williams & Rogers publish a work on Civil Government which treats the subject historically, and which contains many valuable features not found in any other similar work. It is used in Bethany College and in many other schools and colleges throughout the country.

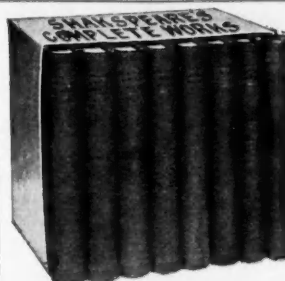
The other books published by this firm treat the following subjects: COMMERCIAL LAW, COMMERCIAL ARITHMETIC, MENTAL ARITHMETIC, PENMANSHIP, SHORT-HAND, SPELLING, GRAMMAR, CORRESPONDENCE, CIVIL GOVERNMENT, AND POLITICAL ECONOMY.

Specimen pages and illustrated catalogue sent free to teachers and school officers on application.

WILLIAMS & ROGERS, Publishers,

ROCHESTER, N. Y.

344 Dearborn St., CHICAGO, ILL.



The Only Large Type Edition.
Sold Direct by the Publishers only.
Size of Each Volume
6 x 9 inches; 1 inch thick.

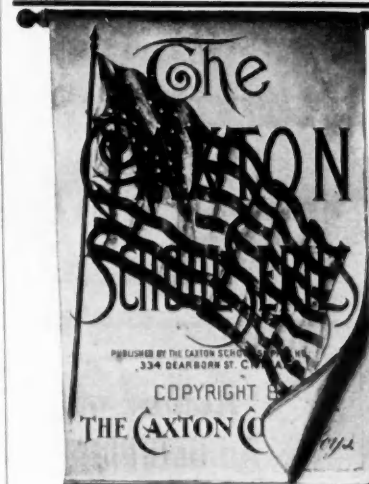
\$10 DOLLARS FOR \$5

A Ten-Dollar Set of Shakspeare's Complete Works for Five Dollars. In large type, easy for the eyes; eight handsome volumes; fine cream-laid paper; full silk cloth binding; more than 4000 pages; with copious notes on the text and introductory essays to each play. These books can never be bought any cheaper than as cheap after this SPECIAL OFFER is withdrawn. (Regular price of the set, \$10.) Every set sold on approval; money returned immediately if you are not satisfied. Send \$5 to-day; or send \$10 to hold the price, and we will ship books when balance is made up. Better bindings if you want them. A handsome booklet of

Specimen pages and full description FREE.

References: Dun, Bradstreet, and every bank in Philadelphia, or the publishers of this magazine

KEYSTONE PUBLISHING CO., 799 Locust St., Philadelphia Pa



The Caxton School Series on Tripod.

In fifty-four lithographed pages, each page 2 feet by 3 feet, this Series thoroughly treats Reading, Arithmetic, Writing, Drawing, Political Geography and Physical Geography, Business Forms, Book-keeping, Civil Government, Political Economy, Music, History and Physiology.

Agents wanted to push the sale of this and other specialties, Furniture, and all apparatus, needed in the school room. Address

THE CAXTON COMPANY,
CHICAGO, ILL.

HARVARD UNIVERSITY SUMMER SCHOOL.

For pamphlet giving full information apply to
M. CHAMBERLAIN, Cambridge, Mass.

Established 1855.

First Pennsylvania STATE NORMAL SCHOOL, Millersville, Pa.

E. ORAM LYKE, Principal.

The first State Training School for teachers in Pennsylvania. The oldest and best equipped Normal School in the State. The largest and most valuable Normal School property in the United States. Large faculty of skilled instructors. Students admitted at any time. For catalogue and full particulars address the Principal.

HARVARD UNIVERSITY.

LAWRENCE SCIENTIFIC SCHOOL.

OFFERS COURSES IN

Civil Engineering, Chemistry,
Mechanical Engineering, Geology,
Electrical Engineering, Botany and Zoology,
Mining Engineering, General Science,
Architecture, Science for Teachers,
Anatomy and Physiology (as a preparation for
Medical Schools).

For the Descriptive Pamphlet apply to

M. CHAMBERLAIN, Secretary,

N. S. SHALER, Dean. Cambridge, Mass.

HAHNEMANN

Medical College and Hospital, OF CHICAGO, ILLINOIS.

The Thirty-seventh annual course of lectures in this institution will commence September 15, 1896. New college building, elevators restaurant, reading rooms and laboratories. Everything modern. Experienced teacher. Equality in sex. For Lecture Card and Announcement address J. R. COBB, M. D., 2811 Cottage Grove Ave., Chicago.

NEWAMERICAN TEACHERS AGENCY

(The C. B. Ruggles Co.)

Offices: 1257 Euclid Ave., Cleveland.
Room 47, Wiggins Bldg., Cincinnati.

Old, solid, conscientious, successful. Furnishes high grade Teachers, Principals, Superintendents, Governesses, Draughtsmen, Chemists, Pharmacists, Musicians, Electricians and Engineers. Send for circular.

GO FROM THE BUFFALO MEETING

To Chautauqua July 11th

All Western Tickets good until Sept. 1st.

The Collegiate Department (opening July 11), under Pres. William R. Harper, offers 106 courses, given by 72 instructors.

School of Pedagogy, Pres. W. L. Hervey, of Teachers' College, N.Y., Dean, Courses (1) General Pedagogy, (2) Psychology, (3) Kindergarten Theory and Methods, (4) Primary Methods, (5) Grammar School Methods, (6) English Literature and Composition, (7) Physiography, (8) Nature Study, (9) Form, Drawing and Color, (10) Physical Training, (11) Reading Aloud. Practice Kindergartens and Primary Classes.

Cost of Living and Tuition Fees at the minimum.

General Daily Schedule of Lectures, Addresses, Concerts, Readings and Entertainments offers a delightful variety for afternoons and evenings. Classes in session from 8.30 to 1. Write for Catalogue of courses, etc., to

W. A. DUNCAN, Sec., Syracuse, N. Y.



The IMPERIAL ADJUSTABLE DESK.

Our desk fits all pupils
all the time.

It is made of the best cast iron, and of Michigan hard maple.

It is not necessary to say more, but write us for prices and catalogue.

GRAND RAPIDS SEATING CO.,

Grand Rapids, Mich.



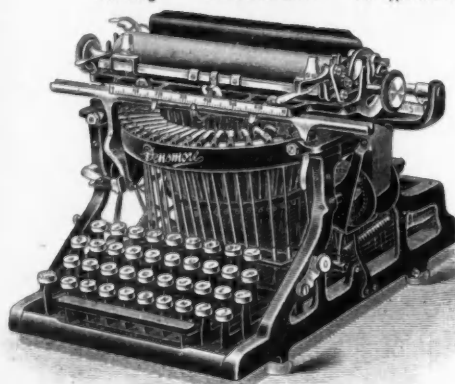
THE
"ACME"
Adjustable
IS THE
'Height of Perfection'

There is nothing made to equal it in convenience or durability. Both sides adjusted simultaneously. Full descriptive circular on application.

FULL LINE OF
SCHOOL SUPPLIES.

SPRINGFIELD FURNITURE CO., Springfield, Ill.

"The Light Running" DENSMORE "The World's Greatest Typewriter."



SUPERIORITIES ESTABLISHED:

Lightest key-touch, greatest speed, most convenient paper feed, best for both correspondence and manifold, best system of scales.

From the U. S. Government.

Dept. the Interior, Washington, Nov. 23, '95.

Densmore Typewriter Co., Gentlemen:
We have now in use in the Bureau of this department nearly eighty machines. We have no complaint from the users of them, hence we conclude they are giving entire satisfaction. Respectfully,

Signed, HIRAM BUCKINGHAM, Custodian.
FREE: Illustrated pamphlet containing testimonials from leading concerns.

Densmore Typewriter Co., 316 Broadway, N.Y.

H. SCHEDLER



27 NEW CHAMBERS ST.
NEW YORK.

GLOBES

ALL SIZES AND PRICES.

CHEAPEST AND BEST.
EACH GUARANTEED PERFECT.

CLARK'S IMPROVED SCHOOL STENCILS



Great Aids for Teachers
in All Grades!

... Get the Best!

Send for catalogues.
Address ...

S. C. CLARK & CO.,
Waltham, Mass.

IF INTERESTED in the STUDY of NATURE, send name and 2c. stamp for BEST List of BOOKS in Botany, Entomology, Ornithology, Conchology, Geology, Natural History and Biology.

Knobel's Illustrated Guides in Natural History are the latest, simplest, and the best.

The Trees and Shrubs, net 50c. | Day Butterflies, etc., net 50c.

Ferns and Evergreens, net 50c. | Beetles, & their Kind, net 50c.

Sent, post-paid, on receipt of price, by

BRADLEE WHIDDEN, Pub. and Bookseller,

18 Arch Street, Boston, Mass.

THE
Chicago Laboratory Supply and Scale Co.
31-45 West Randolph Street.
Manufacturers and Importers of
**CHEMICAL and
PHYSICAL APPARATUS.**
Catalogue upon application.

WHY YOU SHOULD BUY

Adjustable Chair Desks.

- 1st. Because they can be raised or lowered at will, and thus adjusted to height of pupil.
- 2d. Because the Chair is semi-revolving, thus allowing pupil to leave or occupy his seat easily and gracefully.
- 3d. Because shape of both Chair and Desk is anatomically correct.
- 4th. Because no rear seats are required, each Desk and Chair being complete in itself.



Our device for adjusting Desks is entirely new and the simplest and best ever produced. It don't require a janitor and two helpers; a lady teacher can handle it. By a single motion of the wrench fitting over the cross bar, the desk can be raised or lowered at will, the lever moving both ends at once.

We manufacture eight styles of desks and five of chairs. Send for our full catalogue.

BEAL & DANIELS,

NORTHVILLE, MICH.

POTTER & PUTNAM'S VERTICAL PENMANSHIP.

Just Issued. Ten Nos. Engraved on Copper. "Has the simplicity, elegance, and usability of all previous efforts in this line." Also, VERTICAL SCRIPT PRIMER, a child's first book in Vertical Script. Full information and sample pages gladly sent. Address the Publishers.

63 Fifth Ave., NEW YORK; Mooney-Brisbane Bldg., BUFFALO; 300 Post St., SAN FRANCISCO

Chicago Kindergarten College.

MRS. J. N. CROUSE,
Director.

MISS ELIZABETH HARRISON,
Principal.

COLLEGE RE-OPENS OCT. 1st.

The work of the College is divided into the following departments:—

TEACHERS' DEPARTMENT—

Central Classes, — Freshman,
Junior, Senior, Normal.
Branch Classes.

MOTHERS' DEPARTMENT—

Central Classes, Local Branch
Classes, Distant Branch Classes.

PRIMARY DEPARTMENT.

PUBLICATION DEPARTMENT.

LITERARY DEPARTMENT.

PHILANTHROPIC DEPARTMENT.

SPECIAL LECTURE COURSES.

TEACHERS' DEPARTMENT. College re-opens October 1st. This department prepares students for kindergartners, supervisors and training teachers; adapts kindergarten principles and materials to primary grades. The demand for thoroughly trained teachers is largely in excess of the supply. No field of educational work offers such opportunities.

CONVOCATION OF MOTHERS. October 21, 22, 23.

CHICAGO KINDERCARTEN COLLEGE,

Send for Curriculums

10 Van Buren Street, Chicago.

Chicago Free Kindergarten Association

Organizes a Normal Class every September.

FACULTY:

Eva B. Whitmore, General Supt. Anna E. Bryan, Principal.

Emma G. Lumm, Physical Culture.

Josephine Locke, Color.

Prof. L. C. Monin, Armour Institute, History of Education.

Mari R. Hofer, Vocal Music.

SPECIAL LECTURERS.

Dr. F. W. Gunsaulus, President Armour Institute,

Prof. Jno. Dewey, University of Chicago, Educational Psychology.

Prof. T. Roney, Dean Armour Institute, Literature.

Prof. H. Donaldson, University of Chicago, Growth of Brain.

For particulars address,

FREE KINDERGARTEN ASSOCIATION, (Armour Institute,)

Corner 33d and Armour Avenues, CHICAGO, ILL.

PRICE LIST.

Lowe & Butler's Bellum Helvetium\$1.00
Lowe & Ewing's Caesar, with separate text 1.25
Johnston's Cicero, with separate text1.25
Riggs' In Latinum, Caesar and Cicero, each, .50
Barber's Latin Charts, with stand8.00
Collins' Text Book of Algebra1.00
Straw's Lessons in Expression30
Boltwood's Higher Speller30
Essays on Friendship, Cicero, Bacon and
Emerson1.50
Princess Ise, Illustrated1.25
Choice of Books, Harrison75
Homeric and PreHomeric, Literature1.00
Madison's Journal of Constitutional Conven-
tion, Library ed., 2 vols5.00
Students' ed., 1 vol2.50

Send for Portrait Catalogue.

SCOTT, FORESMAN & CO.,

Educational Publishers,

355 Wabash Ave., CHICAGO.

SHORTHAND.

WHY? was Isaac Pitman's System adopted and taught in the New York Public Schools.

BECAUSE it is the Best, and has the latest and most practical text-books.

"ISAAC PITMAN'S COMPLETE PHONOGRAPHIC INSTRUCTOR."

Cloth, 250 pp. Price \$1.50.

Free to Teachers. Specimen pages, Alphabet and Full Rules for Writing. Mention this paper.

ISAAC PITMAN & SONS,

33 Union Square, NEW YORK.

Take lessons at the Metropolitan School, 156, Fifth Ave., N.W. Cor. 20th St., New York.

By Mail or
Prepaid Express

School Books

of all publishers to anybody, anywhere!

Singly or by dozens
New and second-hand

ARTHUR HINDS & CO.

4 Cooper Institute, New York City.

Brand new, complete catalogue, free,
if you mention this ad.

Special Announcement.

**E. H. Butler & Co.,
Publishers.**

WE take pleasure in announcing that we have purchased from Mr. E. O. VAILE, the popular and well-known series

*Vaile's Vertical Writing
Copy-Books,*

and that we will continue the publication of the same.

We invite the attention of teachers and school officers to these books and also to our other new publications including

**Hazen's Readers,
Hull's Arithmetics,
Hull's Algebra,
Butler's Geographies,**

and a full line of standard and popular school text books.

Correspondence with reference to the use of these books is invited, and will receive prompt attention.

Address—

E. H. Butler & Co.,

211-213 Wabash Ave.,

220-222 South 5th St., CHICAGO.
Philadelphia.

If you want **FRENCH BOOKS**, books of any description—School Books, Standard Books, Novels, etc.—send to **WILLIAM R. JENKINS**, Publisher and Importer 851 and 853 Sixth Avenue (48th Street), New York. Complete catalogue on application. Importations promptly made.



SEE DIRECTORY
of Teachers' Agencies
IN THIS NUMBER.

Natural Slate Blackboards, Crayons;
"America's Best" Triple Tenon School Slate;
Slate or Marble Tiles, Urinals, etc.

A. D. HOBBIE,

32 Church St., New York.



Kindergarten Materials.

Kindergarten Furniture.

Kindergarten Books.

Largest Stock in the Mississippi Valley, now on hand.
Send to us for complete catalogue.

THOS. CHARLES CO., 211-213 Wabash Ave., CHICAGO, ILL.

General Western Agents for MILTON BRADLEY CO.

SOME LATE VOLUMES

OF THE

INTERNATIONAL EDUCATION SERIES.

The Psychology of Number, by J. A. McLELLAN and JOHN DEWEY - \$1.50

Teaching the Language-Arts, by B. A. HINSDALE, LL. D. 1.00

The Intellectual and Moral Development of the Child, by GABRIEL

COMPAYRE, translated by MARY E. WILSON 1.50

Herbart's A B C of Sense-Perception, by WILLIAM J. ECKOFF, Ph. D.,

Pd. D. 1.50

Psychologic Foundations of Education, by WILLIAM T. HARRIS, A. M.,

LL. D., United States Commissioner of Education 1.50

History of the School System of Ontario, by G. W. ROSS, LL. D., Min-

ister of Education, Ontario, Canada 1.00

IN PREPARATION:

SCHOOL MANAGEMENT, Baldwin.

JOHANNOT'S PRINCIPLES AND PRACTICE OF TEACHING. Revised edition.

FROEBEL'S PRINCIPLES APPLIED TO SCHOOL-WORK. J. L. Hughes.

THE ART OF TEACHING. A. C. Boyden.

COMENIUS' DIDACTICA MAGNA. Paul H. HADUS.

BIBLIOGRAPHY OF EDUCATION. Will S. Monroe.

COURSES OF STUDY IN SCHOOLS. W. T. Harris.

Send for special catalogue of Pedagogical books.

D. APPLETON & CO., Publishers,

New York.

Boston.

Chicago.

THE STANDARD HISTORY.

THE WOOLFALL COMPANY have pleasure in announcing for publication, early in July, the first volume of their elaborately illustrated work,

THE PEOPLE'S STANDARD HISTORY OF THE UNITED STATES.

The work is a complete and graphically written History of the United States, and enriched, at a cost of nearly fifty thousand dollars, by a high standard of pictorial art.

The Standard History is the monumental work of Edward S. Ellis, M. A., the well-known author, who has for many years been engaged on the Standard History and has, unquestionably, made it the

GREAT LITERARY ACHIEVEMENT

of his life. The work has also had the benefit of painstaking literary revision and historical verification by other skilled writers, whose labors have enriched the History in its literary preparation. The People's Standard History is

A LIBRARY IN ITSELF

replete, as it is, with every important fact and enchainning incidents likely to interest not only the general reader but every student and teacher also. The Standard History is also published in monthly parts, of which there will be thirty and issued at the rate of two parts a month, at fifty cents a part, printed on the finest woodcut paper, from type specially cast for it, on a full and open page, in the best style of the printer's art. The work will contain about one thousand

ORIGINAL ILLUSTRATIONS.

including thirty-five original photogravures and colored illustrations, specially prepared for it by upward of twenty of the leading American artists; also portraits and maps.

Specimen pages, showing the size of the printed page, letter-press, the artistic character of the illustrations, together with the quality of the paper upon which the work is printed, sent on application. Sold only by subscription. Agents wanted.

THE WOOLFALL COMPANY,

114 Fifth Avenue,
New York....

The Best Books

In the subjects of Bookkeeping, Spelling, English, Letter Writing, Typewriting, Commercial Law, for use in Public or Private schools, (also Pocket Dictionary) are published by

THE PRACTICAL TEXT-BOOK CO.,

Catalogue Free.

Cleveland, Ohio.

A WONDERFUL OFFER!



5 Volumes (over 2000 pages) for 65 Cents.

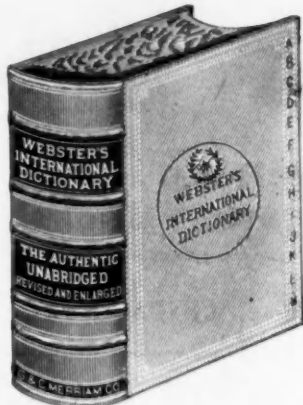
COOPER'S SEA TALES. By J. Fennimore Cooper, author of "The Leather Stocking Tales," etc.

These sets are sold only through our mail order department as a special offer for the Vacation season. The author is well known to every teacher, and this set will prove a most entertaining companion by the sea shore or in the mountains. Printed on good paper, in large long primer type, and handsome durable paper cover. Sent postpaid, on receipt of 65 cents in postage stamps or by money order. Address

M. O. Dep't., New Amsterdam Book Company,
156 Fifth Ave., New York.

Webster's International Dictionary,

A DICTIONARY OF ENGLISH, GEOGRAPHY, BIOGRAPHY, FICTION, Etc.



Successor of the "Unabridged."

A complete and thorough revision of the well-known Unabridged, the purpose of which has been not display nor the provision of material for boastful and showy advertisement, but the due, judicious, scholarly, thorough perfecting of a work which in all the stages of its growth has obtained in an equal degree the favor and confidence of scholars and of the general public. The International has been warmly commended by members of the United States Supreme Court, by all the State Supreme Courts, by State Superintendents of schools and by eminent authors and educators almost without number. It is recognized as the standard authority by the U. S. Government Printing Office, and is the standard to which nearly all school books adhere.

Specimen Pages,
etc., sent
on application.

THE BEST FOR TEACHERS AND SCHOOLS,

BECAUSE words are given their correct alphabetical places, each one beginning a paragraph.

BECAUSE the etymologies are full, and the different meanings are given in the order of their development.

BECAUSE the pronunciation is indicated by the ordinary diacritically marked letters used in the school books.

BECAUSE the definitions are clear, explicit, and full, and each is contained in a separate paragraph.

A. E. WINSHIP, Editor Journal of Education, says:—WEBSTER'S INTERNATIONAL DICTIONARY beats use better than any other I have ever seen, and I have all of recent date in constant use. Its authority is unchallenged, its arrangement is ideal, and there is nothing from cover to cover to be apologized for either by way of omission, marking or pronunciation, arrangement of words, or definitions, or in phrasing of definitions. Always an admirer of the perfection of your work, I did not fully appreciate its surpassing virtues until I had used it in constant comparison with other dictionaries from which I had been led to expect much.—Boston, Feb. 26, 1895.

G. & C. MERRIAM CO., Publishers, Springfield, Mass., U. S. A.

PARAGON SCHOOL MAPS

ARE THE VERY BEST, AND THE
"PEERLESS" MAP CASE
is indisputably the most attractive and most practical appliance ever devised for displaying and protecting maps.
Agents Wanted Everywhere.

DO YOU WANT
BETTER READING AND SPELLING
In your Schools? Many leading educators say this is attained by using the
POLLARD SYNTHETIC METHOD.
Write us for full particulars.

WESTERN PUBLISHING HOUSE, 358 Dearborn St., Chicago.

SUPERIOR SCHOOL TEXT BOOKS.

Silver, Burdett & Company issue July 1st, Mowry's History of the United States. New features in arrangement and illustration. Concise paragraphs. Colored charts. Original designs. A complete historical work for the times, by Dr. William A. Mowry and Arthur May, Mowry, M. A. Send for advance specimen pages at once.

The Normal Course in Reading, by Miss Emma J. Todd and Supt. W. B. Powell. Primer, carefully graded readers and chart. Interesting selections from all departments of English literature and elementary science.

The World and its People Series, supplementary readers, edited by Larkin Dunton LL. D., head master Boston Normal School. Students visit countries and places treated of in their histories and geographies. The descriptions and illustrations inspire a desire for further information. Captivating in style and form.

The Normal Review System of Writing, slanting and vertical copies. Adopted for use in New York City, Brooklyn, Philadelphia, Chicago, and many other cities and towns. Notable features,—constant review; double copies on each page.

No other system has so won the acceptance of leading educators.

The Normal Course in Number, by Pres. John W. Cook and Miss N. Cropsey. A fresh, practical series of arithmetics in two volumes. Hard tasks successfully handled.

The Normal Music Course, by John W. Tufts. The most musical, educational and progressive music system.

Select English Classics, Irving's "Sketch Book," "Vicar of Wakefield," "Minor Poems of Milton," "The Lady of the Lake," plays of Shakespeare (in separate editions), edited by Homer B. Sprague, Ph.D. Rich in notes to stimulate research.

Also text books for all branches and all grades from the primary school to the university. Send for catalogues. Correspondence solicited.

SILVER, BURDETT & COMPANY, Publishers,
CHICAGO. NEW YORK. BOSTON. PHILADELPHIA.

Important Announcement.

To be Issued on or about July 1.

THE

WERNER GEOGRAPHIES.

BY

H. S. TARBELL,

Superintendent of Schools, Providence, R. I.

IN every essential particular the new Werner Geographies possess incomparable superiority. They contain a greater amount of valuable text, a larger number of maps, and infinitely more general illustrations than any other geographies extant. They are fully abreast of the times as to pedagogical accuracy and arrangement and unexcelled in mechanical finish.

Correspondence
solicited
from
Teachers
and
School
Officers....

Werner School Book Co.,

PUBLISHERS,

160-174 Adams Street...CHICAGO.

New York. Boston. Chicago.

A GREAT VICTORY FOR HYDE'S LANGUAGE LESSONS AND GRAMMAR.

The School Book Commission, made up of the President of the State University, the Principal of the State Normal School, the Superintendent of Public Schools of Indianapolis, and other distinguished educators, has just selected, by unanimous vote, Hyde's Practical Lessons in the Use of English for exclusive use in all the public schools of the State of Indiana for a term of five years.

This is the sixth state that has adopted these books.

The Indiana School Book Commission was offered a number of other series of modern text-books, and chose the Hyde books as the best.

D. C. HEATH & Co., Publishers, BOSTON, NEW YORK, CHICAGO.

THE
"Best" Eraser
—EVERLASTING.—



The "Best" Eraser is made of worsted carpet yarn, securely fastened with copper wire, similar to the best hair brush work. A favorite with all persons using the blackboard and crayon. The best is as easy to get as the poorest, and in service much less expensive.

Price per dozen, \$4.00.

Sample mailed on receipt of 35 cents.

GENTLEMEN:

Ten years ago I received from you a sample of your "Best" Blackboard Eraser.

It has been in use ever since, and is still good for further service.

In my long experience in the schoolroom have used many kinds of blackboard erasers, but none so satisfactory as this.

It well deserves the name "Best," and while its durability is considered, I think it must also be the cheapest.

If I were buying erasers for a school of my own, I should certainly give it the preference.

Yours truly,

ALFRED BUNKER,

Master of Quincy Grammar School, Boston.

BOSTON SCHOOL SUPPLY CO.

15 Bromfield St.,

BOSTON.

**IF INTERESTED
IN ECONOMY**

Send for any of the following catalogues
Stationery and School Supplies, illustrated, 136 pp.
School and College Text Books, (of all publishers) 50 pp.
List of School Books Wanted, 35 pp.
Bargain List of School Books, 47 pp.

ISSUED BY THE

C. M. Barnes Co.,

106-108-110-112 Wabash Ave.,
CHICAGO, ILL.

New and Second-hand School Books
Bought and Sold.

Take Time by the Forelock.



Send for Catalogue and Information.

The Peck-Williamson Heating & Ventilating Co.

CINCINNATI, OHIO.

Look after your heating and ventilation for your schools now, whether it be for a contemplated new school or an old one which needs improvement. The subject is of sufficient importance to warrant timely thought and attention by progressive school officials.

We have made this subject our life's work, and point with pride to hundreds of large and medium sized school buildings in the United States in which our system of heating and ventilating has been installed. We never fail to give satisfaction.

MINERAL WOOL

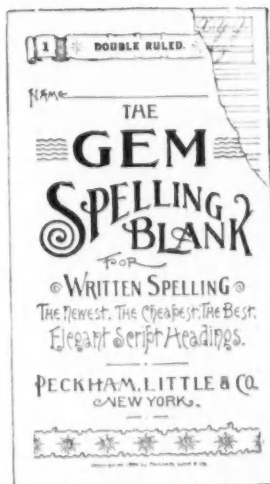
**SAMPLES
AND CIRCULARS FREE.**

WESTERN MINERAL WOOL CO.

AMERICAN MINERAL WOOL CO., LESSEE.

OFFICES:
402 THE CUYAHOGA, CLEVELAND, O.
1549 THE MARQUETTE, CHICAGO, ILL.
2 COURTLANDT ST., NEW YORK.

**BEST INSULATION.
DEAFENING.
FIRE-PROOFING.**



SOMETHING NEW
MADE IN 3 STYLES.

- No. 1. For Advanced Primary Grades.
- No. 1½. For Lower Primary Grades.
- No. 2. For Grammar Grades.

Write for Samples and Prices.

Peckham, Little & Co.

PUBLISHERS.

GENERAL SCHOOL SUPPLIES. 56 Reade St., New York.

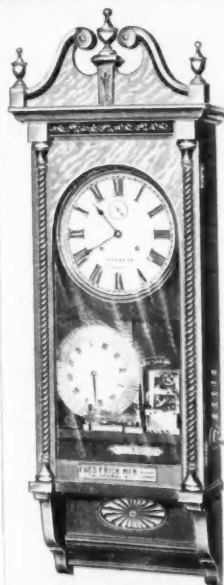
Correspond with largest School Supply House in the Country.

THE GREENWOOD SCHOOL SUPPLY CO.,

10-12-14-16 East Boardman Street,

YOUNGSTOWN, O.

Write To-day. Don't Delay. You Will Not Regret Having Done So.



THE MODERN DISCIPLINARIAN.

**Frick's Automatic
Electric Program Clock**

Is being adopted by all classes of schools and colleges in the United States and Canada, as it has proved itself invaluable in securing the promptness and punctuality on the part of students and instructors so essential to successful school government. It automatically signals every period of the program or programs throughout the institution. It automatically meets all requirements from the Public School to the largest University plant. As it is impossible to but hint at its immense pedagogical value here, you should not fail to write for illustrated catalogue, testimonials and prices.

No progressive school can afford to be without this modern disciplinarian. . . .

FRED FRICK, M'r.,

Waynesboro, Franklin Co., Pa.

Lock Box 406.

Please mention the School Board Journal when writing.

C. F. RASSWEILER & CO.,

MANUFACTURERS AND PUBLISHERS OF

YAGGY'S GEOGRAPHICAL PORTFOLIO,

and General School Supplies,

211-213 Madison Street,

CHICAGO.

AGENTS WANTED.

The Oxford Adjustable Desk and Seat

The only desk possessing the following necessary features:

Vertical adjustment for seat, Vertical adjustment for back, Vertical adjustment for top, Automatic folding seat, Plus and minus adjustment for top, Inclination adjustment for top, Air-tight ink well, Ball and socket hinge, brass bushed, Castings strong and graceful, and the whole so constructed as to occupy no more space than the ordinary desk and seat.



Used in the following cities:

New York, Chicago, Pittsburg, Allegheny, Cleveland, Toledo, Ishpeming, Saginaw, Battle Creek, and many other points.

Write us for particulars and agency.

MANITOWOC SEATING CO.,

MANITOWOC, WIS.

Lock Box 1.

The BOBRICK SCHOOL FURNITURE COMPANY

50 Bromfield St., BOSTON, MASS.

School Furniture and Supplies of Every Description.

MANUFACTURERS OF THE

PEERLESS ADJUSTABLE DESK AND SEAT.

The Handsomest, Strongest, and Best in the Market.



Scientific in Principle and Simple in Design.

CONSTRUCTED ON STRICTLY HYGIENIC PRINCIPLES.

Our System of Scales for Height of Pupil, Desk, and Seat is based upon the measurement of over 125,000 Children. It embodies the recommendations of

The Vienna, Frankfort, Prague, and St. Petersburg School Desk Commissions.

The best authorities in this Country have been consulted and their recommendations adopted.

We manufacture three styles of Adjustable Desks and Seats, viz:

THE PEERLESS, THE ECLIPSE, and THE POPULAR; also THE FAVORITE Stationary Desk and Chair.

Four styles of chairs, viz: A, B, C, and D. The above cut represents "The Peerless style A."

Our motto: "If anything is worth doing at all, it is worth doing well."

BUY THE "PEERLESS" AND GET THE BEST.

Catalogue and Estimates Furnished on Application.



SCHOOL DESKS SCHOOL SUPPLIES, UNITED STATES SCHOOL FURNITURE CO.,

315-321 Wabash Ave
CHICAGO

Sidney
OHIO

74 Fifth Ave
NEW YORK

We have the Best Line of Adjustable Desks on the Market for those purchasers who prefer the Adjustable Principle.



!! The Victor Adjustable Desk !!

The Strongest
The Most Comfortable
The Most Convenient
The Easiest to Adjust

Our new noiseless rotary chair economizes floor space and affords greater comfort to the pupil.



We also manufacture . . .

The Victor Folding Desk
The Victor Stationary Top Desk

and a full line of general School Furniture and Supplies. Get our prices before buying.

THOMAS KANE & COMPANY, Racine, Wis.



SELF
FOLDING
DESK
Contains
Beauty
Strength
Durability
and Convenience.

A MODEL SEAT
in every re-
spect.

Send for
catalogue.

The Marshall School Furniture Co.,
MARSHALL, MICH.

Practical Instruction

Cannot be afforded with poor tools.
As pioneers in School Supplies we are
prepared to furnish complete outfits
and quote unusual discounts.

SLOYD

BENCHES,
TOOLS AND
SUPPLIES

ARE THE **Best**

Carving Tools

Send for Catalog.

SINGLY AND IN
SETS.

CHANDLER & BARBER, 15-17 Elm St.
BOSTON

DIAMOND INKS



Make writing in Schools
and Offices a pleasure.

**DIAMOND IMPERIAL
BLACK INK**

For the School Room.
It is not gummy and
does not corrode.....

**DIAMOND CHEMICALS
WRITING FLUID**

For Office use....

**DIAMOND
CREAM MUCILAGE**

For the Kindergarten.

Address....

DIAMOND INK CO., Milwaukee,
Wis.

Practice Papers
Examination Blanks

Drawing Papers
Pads and Tablets

Composition Papers
Composition Books



Contracts for Yearly Supplies at Special Prices.

Complete Sample Book Free on Application.

SMITH & WHITE M'F'G CO.,

E. W. A. ROWLES, 177 Monroe St., CHICAGO.

... HOLYOKE, MASS.

BLACKBOARDS

Made from the Celebrated

POTTER MATERIAL

ARE

UNSURPASSED.

Write for information to
the manufacturers.

American Soapstone Finish Co., Chester Depot
Vermont.

... THE ...

"COLUMBIA AUTOMATIC."

REPRESENTS THE

Only Progressive
Step

THAT HAS BEEN
TAKEN IN THE

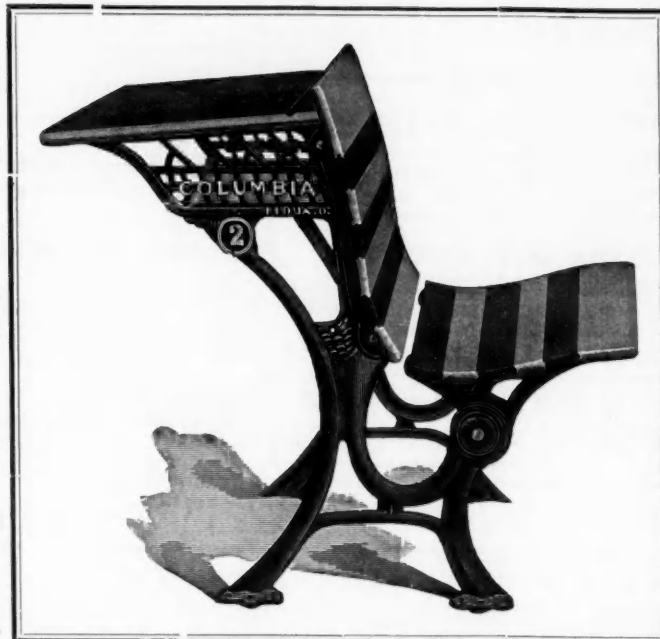
Art of Building
SCHOOL DESKS

IN THE LAST

Quarter of a Century.

More than 120,000 Sold
in Two Years.

GOOD AGENTS WANTED.



Strong and Durable

Beyond

All Question...

PEERLESS IN

COMFORT AND

CONVENIENCE.

Faultlessly Beautiful!

HONESTLY MADE.

SCHOOL SUPPLIES.

THE PIQUA SCHOOL FURNITURE CO., PIQUA, O.

THE TRUE HYGIENIC SEATING.



Remember that the oblique move-
ment increases or diminishes the dis-
tance between Desk and Chair, which
is quite as important as the up and
down movement.

Imagine a lifting-lid that will not
fall by its own weight, and that will
always keep in order.

Be up to the times and inquire
into these improvements.

Write direct to the factory, which
has been established just twenty-
five years.



NEW JERSEY SCHOOL-CHURCH FURNITURE CO.,
TRENTON, NEW JERSEY.

RIPANS

ONE GIVES RELIEF.

THE IMPROVED

"Ideal" Automatic

NO BOLTS,
LUGS, KEYS
or WEDGES.

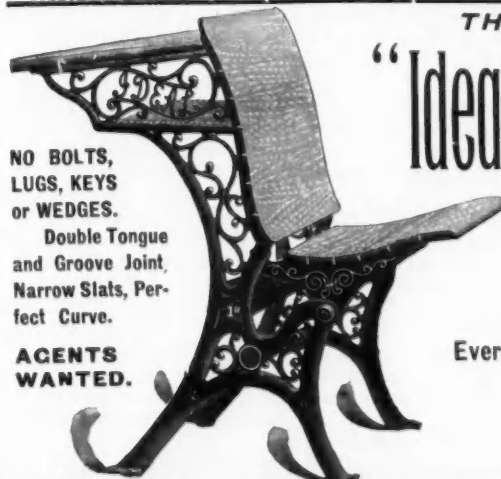
Double Tongue
and Groove Joint,
Narrow Slats, Per-
fect Curve.

**AGENTS
WANTED.**

It Combines

**DURABILITY, COMFORT
and CONVENIENCE.**

Everything Needed in the School
Room. Maps, Globes,
Charts, Slated Cloth, Sla-
ted Paper, Liquid Slating,
Crayons, Erasers.



SPRINGFIELD FURNITURE CO., Springfield, Ill.

WERNER SCHOOL BOOK COMPANY'S NEWEST BOOKS

OLD-TIME STORIES RETOLD

Cloth, Illustrated, 136 pp. Price, 30c.

A Juvenile Reader for first and second grades, designed for supplementary purposes. Myth stories and legendary tales of long ago are here presented in the language of children. Handsomely illustrated in beautiful colors and in black and white.

THE STORY OF OUR COUNTRY

Extra Cloth, 240 pp. Price, 60c.

A primary History of the United States, unique in design, charming in style and pedagogically correct. It is the aim of this book to awaken such an abiding personal interest in the story of our country that the after-study of advanced history of the United States may be a pleasant task. Abundantly illustrated.

BALDWIN'S ESSENTIAL LESSONS IN PHYSIOLOGY

Cloth, 192 pp. Price, 50c.

This work presents the subject of physiology in a practical and interesting manner. Special reference to the effect of stimulants and narcotics on the human system. Comprehensive chapters on the "Care of the Sick Room" and "Contagious and Communicable Diseases." Profusely illustrated.

THE WERNER ARITHMETIC — BOOK I. (Oral and Written),

Cloth, 256 pp. Price, 40c.

The Werner Arithmetics, of which this volume is the initial number, present the following characteristic features: Strict classification is made subordinate to gradation; the pupil is introduced in the beginning to the five fundamental processes; in the lower grades the pupil is made familiar with new terms by means of oral instruction and frequent use of the terms employed; the arrangement of topics is unique and convenient.

If you desire text-books embodying the latest educational thought and methods, the introduction of the WERNER BOOKS is a necessity. Correspond with us.

WERNER SCHOOL BOOK COMPANY,

EDUCATIONAL PUBLISHERS.

160 - 174 Adams Street, CHICAGO.

NEW YORK.

BOSTON.

PHILADELPHIA.

THE PRANG COURSE IN ART EDUCATION

Introduced During Five Months (Aug. 1st, '95 to Jan. 1st, '96,) into
Western Schools Enrolling over 70,000 Pupils and
Employing over 1,700 Teachers.

If this were a new System, possessing many, or even most of the inherent educational and practical features which now characterize it, the above record of adoptions would certainly be heralded by any publisher as a matter of the greatest significance. It is doubly significant and suggestive in view of the general use of the Prang Methods, Books and Materials in the schools of the United States during the last FIFTEEN YEARS, or more. That they continue to strongly commend themselves to educational people, cannot be denied, and may be partially explained as follows:

- 1st. In consequence of frequent revisions, the Prang Books and Materials are always new. They reflect always the best experience, and the latest thought relative to Art Education in Public Schools.
- 2d. The Prang Course is not the product of a single mind, differing widely in this respect from all other Systems, which embody the thought or notion of a single individual rather than the aggregate experience of a large number of people working under different conditions.
- 3d. The Publishers of the Prang Course are specialists, giving their entire attention to the single subject of Art Education in Public Schools. It may be readily inferred from this that their opportunities for observation and for studying the subject are ten-fold greater than those of Publishers with whom Drawing Books are merely incidental to a long list of other Text Books.
- 4th. All other Systems of Drawing are either old and more or less obsolete, or are simply copies or adaptations of the Prang Course, containing no new principles, and lacking utterly the spirit of the Prang work. (Comparison with other Systems is invited.)

For detailed information concerning the Prang Course, address

THE PRANG EDUCATIONAL CO.,

BOSTON.

NEW YORK.

CHICAGO,
181 Wabash Ave.

Standard Literature for Schools

ON A PLAN THAT IS

Original,—Practical,—Economical.

THE SPY,	James Fenimore Cooper.
THE PILOT,	James Fenimore Cooper.
ROB ROY,	Sir Walter Scott.
THE ALHAMBRA,	Washington Irving.
CHRISTMAS STORIES,	Charles Dickens.
ENOCH ARDEN,	Lord Tennyson.
KENILWORTH,	Sir Walter Scott.
THE DEERSLAYER,	James Fenimore Cooper.

ARE NOW READY.

The Lady of the Lake, by Sir Walter Scott; Horse-Shoe Robinson, by John P. Kennedy to follow. Other authors in preparation.

The *connected story* is given in each number. It is given in the *author's own words*. Each work is *condensed* by omitting unimportant matter so as to make it possible to read a *large number* of writers in the *limited time* of a school term. Each book is *cheap*.

Published semi-monthly. Single number, 12½ cents. Double number, 20 cents. Special discounts to schools and dealers.

Send for a Sample Copy.

University Publishing Co.,

New York. New Orleans. Boston

BROOKS'S NEW ARITHMETICS

THE NORMAL RUDIMENTS OF ARITHMETIC,
THE NORMAL STANDARD ARITHMETIC,

By EDWARD BROOKS, A. M., Ph.D., Superintendent of Philadelphia Schools.

An Entirely New Series in Accordance with Modern Methods.

THE PRIMARY WORD-BUILDER,
THE ADVANCED WORD-BUILDER,

Two New Consecutive Logical Systematic Spelling Books.

By A. J. BEITZEL, A. M., Superintendent of Cumberland Co., Pa., Schools.

WELSH'S PRACTICAL ENGLISH GRAMMAR,

By JUDSON PERRY WELSH, A. M., Principal of Bloomsburg, Pa. State Normal School.

CHRISTOPHER SOWER CO., Publishers,

614 Arch Street, PHILADELPHIA.

QUARTER CENTURY EDITION.

PARADISE * OF * CHILDHOOD.

Now Ready.

This edition contains all the original text with notes on the different Gifts and Occupations, the design being to bring the whole book up to the needs of the kindergartners of to-day. Profusely illustrated. Over 300 pages. Price, handsome cloth, \$2.00.

IN THE CHILD'S WORLD,

By Emilie Poulsson.

"In the Child's World" is a book of Morning Talks and Stories for Kindergartners, Primary Schools, and Homes, and will be found a library in itself, so far as holding the interest of little children is concerned. Nearly 450 pages. Over 100 illustrations. Price, cloth, \$2.00.

These are two of our best books. We publish others, and also manufacture a bewildering variety of kindergarten material and school aids. Space here is too costly to speak further of these goods, but we will send our 80-page illustrated catalogue to any address on application.

MILTON BRADLEY CO.,

SPRINGFIELD, MASS.

New York Office: 11 East 16th St.

Kansas City Office: 418 East 9th St.

VERTICAL WRITING!

The Normal Review System of Writing, Vertical Copies, has recently been enlarged by the completion of the Movement Course (2 numbers) and the Short Course (6 numbers, so that it now offers a Regular Course, Short Course, Movement Course, Tracing Course, Business and Social Forms. The fact that the Normal Review System of Writing, Vertical Copies has been adopted for use in such prominent educational cities and towns as Chicago, Philadelphia, New York City, Brooklyn, Omaha, Newport, R. I., Haverhill, Brookline, Waltham, Beverly, Quincy, Everett, Weymouth in Mass., and Exeter, N. H., is evidence enough of its excellence and popularity.

Some of its notable and excellent features, which make this system unique are constant and systematic review; double copies on each page prominence given to numerals; provision for careful comparison of capital and small letters; copies give information concerning scientific, historical and geographical facts; practice in full-page writing; copies are arranged to best subserve the rapid and satisfactory advancement of the learner.

The same special features appear also in the Slanting Copies so that every superintendent, teacher and school officer, who would have the most satisfactory writing in his school—either Slanting or Vertical Copies—should not fail to examine the Normal Review System of Writing by Profs. D. H. Farley and W. B. Gunnison.

Descriptive Circulars and Catalogues Mailed Free on Application.

SILVER, BURDETT & COMPANY, Publishers,

BOSTON.

NEW YORK.

CHICAGO.

PHILADELPHIA.

WILLIAMS & ROGERS'

Bookkeeping

TEXT BOOKS

Have by sheer force of superior merit and originality won their way into schools in all parts of the country. Teachers who have used these books unhesitatingly pronounce them to be the most Teachable, Practical and Labor-Saving works on the subject now in print. The series comprises three books:

FIRST LESSONS IN BOOK-KEEPING, for Graded and District Schools;

NEW INTRODUCTORY BOOK-KEEPING for High Schools, Normals and Academies;

NEW COMPLETE BOOK-KEEPING, for Business Colleges and Commercial Departments.

Some of the reasons why the books are so popular are: They simplify the subject; reduce the work of the teacher; fascinate and stimulate the pupil; are up to date; are in high grade and low in price.

Specimen pages and catalogue of complete list of Commercial Text-Books sent free to teachers and school officers on application.

WILLIAMS & ROGERS, Publishers,

ROCHESTER, N. Y.

CHICAGO, ILL.

FEW MEN SUCCEED

In doing well more than one thing. This is an age of specialists.

We Make a Specialty of supplying schools with anything and everything helpful. We know of nothing more helpful than the . . .

SINGING OF CHEERFUL SONGS.

It relieves the mind from the weariness of study or labor, promotes the circulation, enables the teacher to secure better obedience, fosters a kindly feeling among the pupils, and in general is a most important aid in disciplining a school.

IN THE WAY OF BOOKS WE OFFER THE
GREAT PRIZE SCHOOL SONG BOOK,

"GOLDEN GLEES."

It contains 173 pages—153 of choice music and 20 of instructions. The music was written by the best Day School teachers and writers of music in the United States, in competition for four cash prizes. This book is without an equal for fresh melodies, beautiful words, and choice harmonies. Price 35 cents; \$3.60 per dozen.

OTHER CHOICE MUSIC BOOKS.

MERRY SONGS, 18 pp. of instructions of the most practical kind and 100 pp. of sweet melodies and beautiful sentiments, price 30c; \$3 a doz.

MERRY MELODIES. The songs in it will touch the heart of many a "bad boy" and stir him to manly actions. 100,000 copies sold. 64 pp., price 15c

FOUNTAIN SONG BOOKS. These books are as follows: Book I, 80 pp., of original music. Price 15 cts. Book II, 80 pp., original and selected music. Price 15 cts. Book III, 72 pp. of the best selected patriotic, sacred and miscellaneous airs to be found anywhere. Price 15 cts. Book IV will be ready Sept. 1st, 80 pp. Price 15 cts.

Send for our Library catalogue.

All books at wholesale prices.

A. FLANAGAN, CHICAGO.

NOW READY!

The Natural System of Vertical Writing.

The letters are not merely the old slant letters straightened up, but are genuine vertical script. The form of letters has been modified and greatly simplified.

If you are interested in vertical writing and wish a system that is hygienically and pedagogically correct, send us your name and address.

D. C. HEATH & CO., 355 Wabash Ave., Chicago.

WALMSLEY & FULLER CO.

Only Complete Factory in the West.
Special Instruments of Precision,
Microscopes, Telescopes.

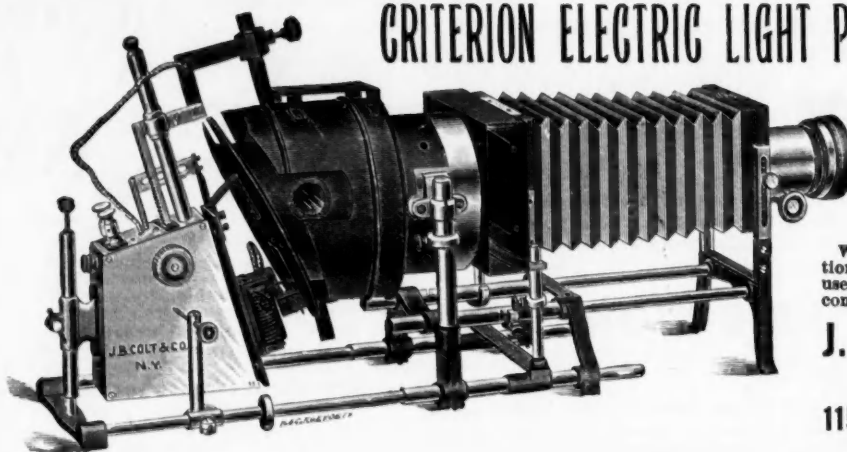
Physical and Chemical **Apparatus**

Optical Lanterns and Slides,
Photographic Supplies.
Acetylene Sunrators, one burner (1/2 foot)
equals 100 candles.

134-136 Wabash Avenue, CHICAGO.

**SCHOOL
SUPPLIES**

E. W. A. ROWLES,
177-179 Monroe St., CHICAGO.



CRITERION ELECTRIC LIGHT PROJECTION LANTERN

Adopted by leading

Colleges, Private Schools,
Institutions, Scientists,
and others who use none but

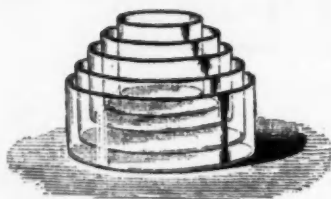
... THE BEST.

We make Lanterns of superior construction for the projection of standard slides as used by New York schools under State Board control.

J. B. COLT & CO.,
Patentees and Manufacturers,
115-117 Nassau St.,
Branch Office, 59 Fifth Ave.,
New York, N. Y.

AGENCIES:

50 Bromfield St., Boston.	33 So. 10th St., Philadelphia.	126 Erie Co. Bk. Bldg., Buffalo.	39 Marietta St., Atlanta.	415 N. Broadway, St. Louis.	189 La Salle St., Chicago.	31 Post St., San Francisco.
------------------------------	-----------------------------------	-------------------------------------	------------------------------	--------------------------------	-------------------------------	--------------------------------



FRANKLIN EDUCATIONAL CO.,
BOSTON—CHICAGO

Microscopes, Physical
and Chemical Apparatus.

Original and leading manufacturers of apparatus designed to illustrate the National Course in Physics as recommended by the "Committee of Ten." Manufacturers of Minot's Microtome and Franklin Trip Scale.

Best Bohemian glassware and all kinds of laboratory supplies for schools and colleges. Superior facilities for importing apparatus free of duty for educational institutions.

Franklin Educational Company,

Send for Illustrated Catalogue.

Harcourt Street, BOSTON.



Botanical Microscopes

AND
Magnifying Glasses,

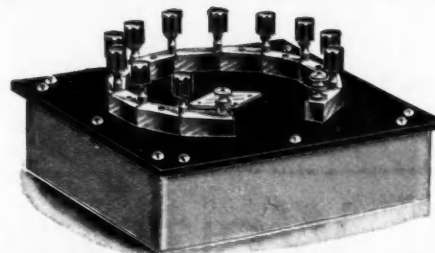
Especially designed for the study of Botany.

Forceps, Scissors, Dissecting Knives,
Dissecting Needles and Mount-
ing Materials.

Send for Botanical Circular giving list of
articles and prices.

THOMAS HALL & SON,

19 Bromfield St., Boston.



Send for our new Physical and Chemical Catalogue. The most complete one ever made. Special Discounts to Schools. Largest Factory in the West.

McIntosh Battery and Optical Co., 521-27 Wabash Av.,
CHICAGO, ILL.

THE W. A. OLMSTED SCIENTIFIC COMPANY,

215-221 Wabash Avenue, Chicago,

Makes a Specialty of . . .

Physical Apparatus

FOR . . .

Laboratory Work.



Send for Supplement No. 1, the most complete catalogue of Physical Laboratory apparatus yet issued.

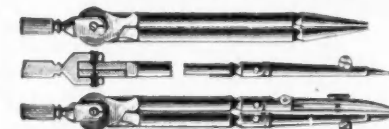
F. WEBER & CO.

ARTISTS' MATERIALS,

Engineers' and Draughtsmen's Supplies,

918 Olive Street, - St. Louis, Mo.

Special Discounts to Schools and Colleges



The GEM PENCIL SHARPENER

Sharpens both Lead and Slate Pencils.

"It gives me great pleasure to recommend the 'Gem Pencil Sharpener.' It does the work well and quickly. This last is of great importance for school work. This 'sharpener' is in satisfactory use in very many of the cities and towns of the State. From what personally know of the results here and elsewhere, I am fully convinced that the 'Gem' is the very best sharpener on the market. In fact I do not believe that there is any other which at all compares with this one for use either in the school or the office."

JOEL D. MILLER.

Price, \$3.50.

Member of Mass. State Board of Education.

Send for descriptive circular Manufactured by F. H. COOK & CO., Leominster, Mass.



THE BEST IS THE CHEAPEST.

**PEERLESS
Pencil Pointer**

FOR LEAD OR SLATE PENCILS.

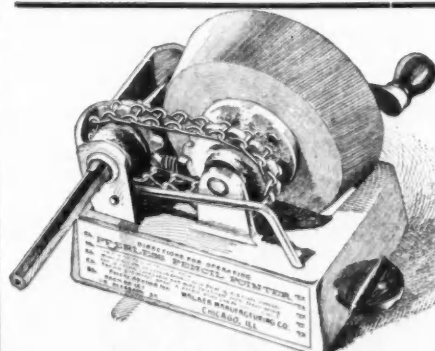
NO DIRT OR SOILING OF HANDS in using. Breaking of lead or getting out of order. Expense after first outlay.

Cutting wheel is a case-hardened steel file, therefore cannot wear out.

Price, Express paid, Japanned, \$3.50; Nickeled, \$4.

WALKER M'F'G CO.,

177 Monroe Street, - - CHICAGO,

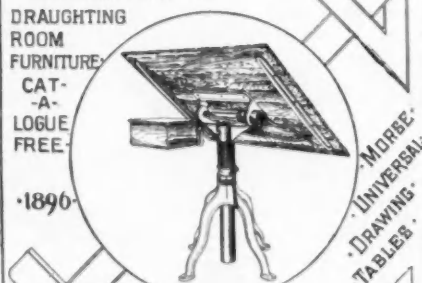


Agents Wanted.

MORSE MACHINE CO.,
ROCHESTER, N.Y.

DRAUGHTING
ROOM
FURNITURE
CAT-
A-
LOGUE
FREE

1896



WHY NOT USE A TABLE
THAT CAN BE
**EASILY AND QUICKLY ADJUSTED TO ANY
POSITION?**

SPECIAL TO SCHOOLS AND COLLEGES:
Our new table adapted especially for use in schools and colleges is now ready. Send for special circular.



**Relief
Maps,**

Systematic
Collections

**MINERALOGY, GEOLOGY, ZOO-
LOGY FOR SCHOOLS OF
ALL GRADES.**

LANTERN SLIDES, ETC.

Washington School Collections.

Minerals, Rocks, Invertebrate Animals.

No collections of equal excellence have ever before been offered in this country at so low a price (\$2 and \$3.50 each). Send for circular.

EDWIN E. HOWELL,

612 17th St., N. W. Washington, D. C.

AGENTS WANTED!

See our Complete School Aid Combination—Maps, Charts and Globe with Blackboard and Modern Teaching Devices.
"The Combination" saves 50% of cost and adds 50% to time and useful knowledge. Ask for descriptive circular if interested.



The "COMBINATION" comprises all needed in ordinary schools. Five Thousand Illustrated Answers and Explanations to Text-Book and Business Questions. Numerous devices Extracting Inquiry and Imparting Knowledge Daily Life Demands.

EDUCATIONAL ASS'N, 214-220 Clark St., Chicago.



FOR PRICES ON
DRAWING MATERIAL
COLOR BOXES, Etc.
WRITE TO
A.H. ABBOTT & CO.
50 Madison St., Chicago,



MEDALS

of every description in
GOLD OR SILVER.

Write for Illustrated
price list.

Correspondence solicited.

BUNDE & UPMAYER,

121-13 Wisconsin St.,

MILWAUKEE, WIS.



Write for
discounts.
J.A. JOEL & CO.

BUY YOUR
Silk and Bunting
FLAGS and BANNERS
For Schools, Homes,
and Parades,
88 Nassau St., N.Y.

Mention School Board Journal.

FLAGS

OF EVERY DESCRIPTION

MANUFACTURED BY

H. Channon Company,
24 AND 26 MARKET STREET,
CHICAGO.



**BEST BUNTING
FLAGS**

AT LOW PRICES.

Also manufac-
ture Silk Flags,
Banners, Burgees
Send for price list

Ensign Mfg. Co.,
129 3d Ave. N.Y.
Name this paper.

TWO WAYS TO USE THE

REMINGTON TYPEWRITER

Industrially

THAT is as a labor-saving machine which is used everywhere, and is now indispensable to the world at large. The knowledge of how to operate it is sure to prove of service to every pupil, and in conjunction with shorthand, opens honorable and profitable employment to both sexes.

THE REMINGTON TYPEWRITER is known and used everywhere. It is the Standard Writing Machine of the World. It is distinguished for Simplicity, Speed, Durability, and Easy Manipulation. The following facts illustrate its repute in the commercial world:

New York	The 34 leading office buildings contain 3426 typewriters of which 2698 are Remingtons	78 per cent.
Chicago	The 37 leading office buildings use 3523 machines of which 2572 are Remingtons	73 per cent.



NUMBER **6** MODEL

Booklets Illustrating Buildings Referred to, Sent Free on Request.

Educationally

THAT is as an effective instrument whereby scholars can be more quickly and certainly instructed in all that pertains to Spelling, Grammar, Composition, Punctuation, the arrangement of words, sentences and paragraphs, the use of capitals and everything relating to the correct and graceful use of written language.

EXPERIENCE proves that as a sequence of such elementary training on the machine, other and even more important advantages follow. Habits of close Observation and greater Accuracy and Neatness are forcibly inculcated. The speed encourages greater rapidity of thought and action. More attention is given to expression and greater terseness and vigor become natural.

63 per cent.	or 950 are Remingtons, out of a total of 1496 typewriters in service in the 38 leading office buildings in.....	Boston
79 per cent.	equal to 1001, are Remingtons, out of a total of 1267 machines found at work in the 16 leading office buildings of.....	Philadelphia

WYCKOFF, SEAMANS & BENEDICT,

89 MASON STREET, MILWAUKEE.
327 BROADWAY, NEW YORK.

"AS THE TWIG IS BENT, SO THE TREE WILL GROW."

Chandler Adjustable School Furniture

IT HAS MANY IMITATORS, BUT NO EQUAL.

Each Pupil

Is Measured for seat and desk and the furniture is adjusted accordingly. Pupils seated in this manner are humanely treated.



ILLUSTRATING METHOD OF MEASURING PUPIL.

THE
NEW
METHOD.

A common sight where stationary furniture is used, which makes no provisions for the various sizes of pupils.

Observe the unsupported feet.



COPYRIGHT 1895.

THE
OLD
METHOD

This engraving is from a photograph of a room in the Townsend School of Syracuse, N. Y., taken during March 1895, when the building and furniture were less than a year old. It was taken from life and shows the actual condition of the seating at that time, since which the entire building of ten rooms has been refurnished with the Chandler Adjustable Furniture, and on June 5th, 1896, the Board of Education by a unanimous vote, gave us the contract to furnish both the "Clinton school," 672 sets, and the "Garfield school," 342 sets. Also the "Academy of Medicine" composed of 200 physicians endorsed our Desk and Seat as "*the best*," and asked the city council to adopt it as it met *all* requirements *hygienically*.

Chandler Adjustable Chair and Desk Co.,

BOSTON, MASS.

Our furniture is manufactured complete in our own factory and foundry at Walpole, Mass.

THE AMERICAN School Board Journal

VOL. XIII.

NEW YORK—CHICAGO—MILWAUKEE, JULY, 1896.

No. 1.

ARRIVAL OF THE BURGUNDIANS AT BECHLAREN.



THE NIBELUNGEN LAY MODERNIZED.

The New Department of School Administration Received into the National Educational Association.



JOHN R. KIRK,
Director for Missouri.



H. S. TARBELL,
Chairman Board of Trustees.



NEWTON C. DOUGHERTY,
President N. E. A.



IRWIN SHEPARD
Secretary N. E. A.



CHAS. R. SKINNER,
Director for New York.



A. R. TAYLOR,
Life Director N. E. A.



GEO. T. FAIRCHILD,
Life Director N. E. A.



C. C. STRATTON, D. D.,
Life Director N. E. A.



J. H. ACKERMAN,
Director for Oregon.



C. B. GILBERT,
Director for Minnesota.



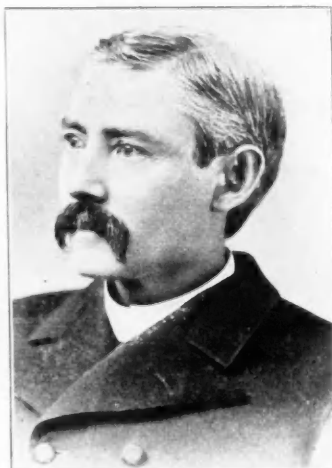
W. R. MALONE,
Director for Utah.



THOS. B. STOCKWELL,
State Supt. Providence, R. I.



E. B. PRETTYMAN,
Director for Maryland.



J. M. GREENWOOD,
Ex-Treas. N. E. A.



W. N. SHEATS,
Director for Florida.



A. B. POLAND,
Trenton, N. J.



AARON GOVE,
Supt. Schools, Denver, Col.



JOHN W. COOK,
Director for Illinois.



R. ANNA MORRIS,
Des Moines, Ia.



D. B. JOHNSON,
Director for South Carolina.



FRANK GOODMAN,
Director for Tennessee.

OFFICERS OF THE NATIONAL EDUCATIONAL ASSOCIATION.



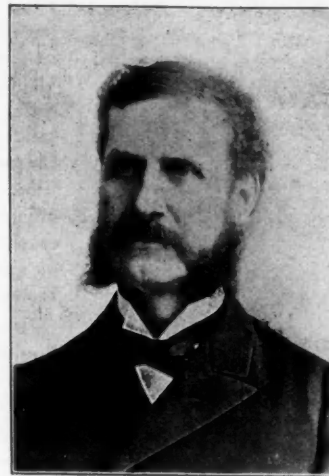
MISS E. F. BATES,
State Supt. of North Dakota.



A. E. DENFELD,
Secretary Dept. of Superintendents.



MISS ESTELLE REEL,
Vice-President N. E. A.



A. G. LANE,
Vice-President N. E. A.



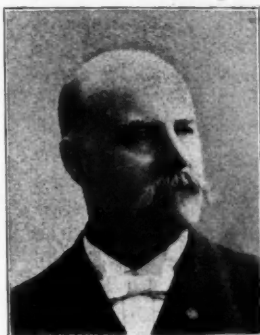
MRS. A. J. PEAVY,
Vice President.



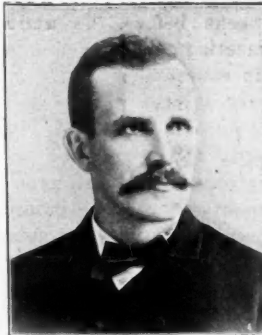
J. PIKE, M. A.,
Life Director N. E. A.,
Jerseyville, Ill.



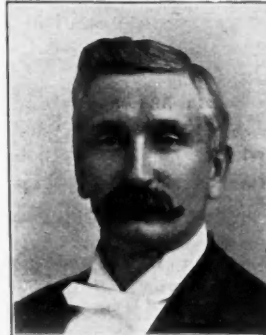
D. R. BOYD,
Director N. E. A.,
Oklahoma.



CHAS. I. PARKER,
Director N. E. A.,
Chicago, Ill.



EARL BARNES,
Vice-President Nat. Com.,
Stanford University, Cal.



C. H. KEYES,
Pres. Mac. Ind. Dept.,
Pasadena, Cal.



JAS. H. BAKER, A. M., LL.D.,
Pres. Dept. Ed., N. E. A.,
Colorado.



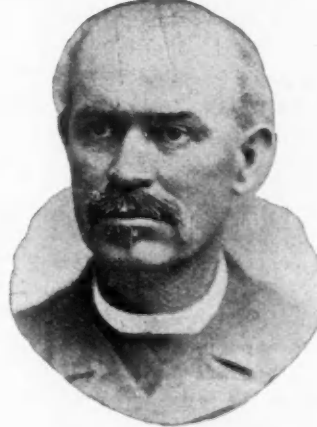
H. R. PATTENGILL,
Vice-President N. E. A.,
Michigan.



J. R. PRESTON,
Pres. Executive Com., Nat. Council,
Mississippi.



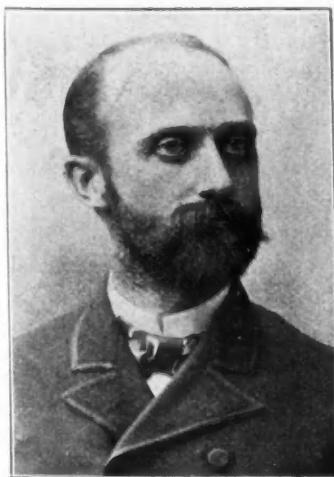
T. B. LEWIS,
Vice-President N. E. A.,
Utah.



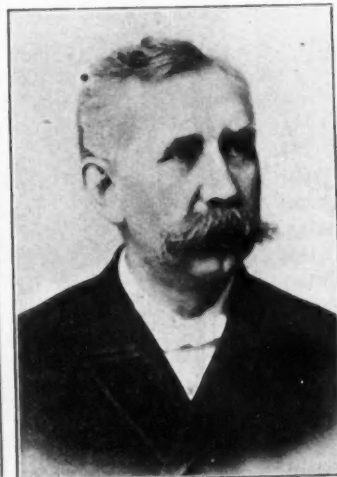
HON. E. B. MCELROY,
Vice-Pres. N. E. A.,
Oregon.



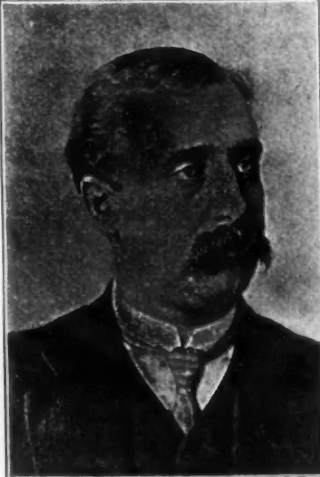
N. C. SCHAEFFER,
Vice-President N. E. A.,
Pennsylvania.



J. M. GREEN,
Pres. Ex. Com., Nat. Council,
New Jersey.



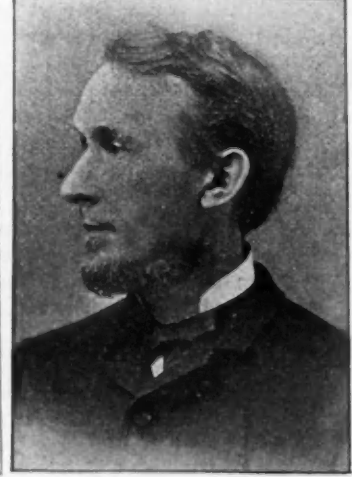
ORVILLE T. BRIGHT,
Vice-Pres. Child Study Dept.,
Chicago, Ill.



FRANK J. BARNARD,
Director for Washington.

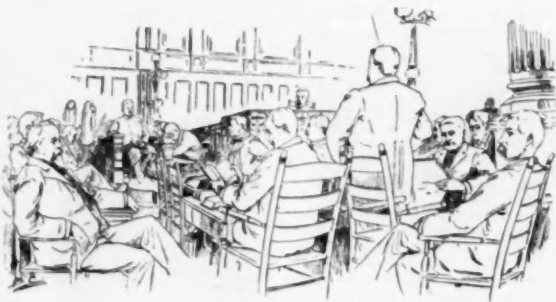


JOHN MACDONALD,
Director for Kansas.



D. L. KIEHLE,
Director Ex. Com., Nat. Council,
Minnesota.

OFFICERS OF THE NATIONAL EDUCATIONAL ASSOCIATION.



SCHOOL LAW.

Lima, O. A new law requires that civil government be taught in all the schools of the state.

A compulsory law is now in force in Ohio requiring every school district to erect a flagstaff over their school house whereupon a flag must be hoisted during school hours and on certain days.

Albany, N. Y. The law requires that no person shall be eligible to receive a teacher's certificate in this state who is not at least 18 years of age. That no trustee or trustees shall contract with any teacher whose certificate of qualification shall not cover a period at least as long as that covered by the contract of service.

Orange Park, Fla. The school has been closed here owing to the arrest of the teachers and patrons who have violated an enactment which makes it a penal offence to conduct in Florida a school in which whites and blacks are instructed together.

Des Moines, Ia. A new law requires examinations to be passed in civics and economics to make teachers eligible to the pay roll.

Oswego. State Superintendent Charles R. Skinner has rendered an opinion holding that no trustee or trustees should allow the use of a school house which does or may give occasion to a controversy among the inhabitants of the district.

A decision of the Supreme Court of Illinois, just handed down, says that elections for establishing Township High Schools cannot legally be voted upon under the Australian ballot law.

The appellate court of the fourth district of Illinois, sitting at Mt. Vernon, has rendered the following opinion regarding vaccination: "We decline to hold that vaccination is one of the qualifications necessary to admission to the public schools as a scholar, and that he should be excluded from school privileges for failing to obey a rule requiring it in the absence of an immediate necessity occasioned by a well-founded belief and apprehension entertained by the board that small pox was prevalent in the community in which the school board was located, or was approaching that vicinity."

The Wisconsin supreme court has decided that a school board cannot bar children from the public schools because they have not been vaccinated.

Harrisburg, Pa. Deputy Superintendent of Public Instruction Stewart has decided that a majority of all the directors must sanction, by a vote, a resolution to elect a superintendent at a preliminary meeting to be called for that purpose, and on the day of the convention the affirmative votes of a majority of all the directors constituting the board are required to determine the salary to be paid to the superintendent.

The St. Louis, Mo., Court of Appeals has rendered a decision "that a board of directors has the power to deny admission to the public schools of children who have not been successfully vaccinated."

Recent Decisions.

It is necessary that it shall clearly appear, on the face of proceedings for the issue of bonds of a school district, under Act May 25, 1894, amending the act to establish a system of public instruction, that the bonds are to be issued only for the purposes for which the statute authorizes their issuance.—Applegate v. Board of Education of Cranbury Tp., N. J., Err. & App.

Law declaring that no school district shall become indebted to an amount exceeding 1½ per centum of its taxable property, "without the assent of three-fifths of the voters therein voting at an election to be held for that purpose," does not require the express assent of the legislature to the holding of such election, but is self-executing, so far as to allow the question of extending the debt limit to be voted on at an election called by the officers of the school district, in accordance with existing general enactments regulating the holding of annual and special school-district elections.—Holmes & Bull Furniture Co. v. Hedges, Wash.

It being proved by statute . . . that on the formation of a new school district, any surplus funds on hand shall be divided between the old and new districts on a basis to be fixed by the county judge, the fact that an apportionment was made by the clerk to a new district before its organization was complete will not invalidate its claim to the money after its legal formation.—Evins v. Batcheler, Ark.

Laws 1885 provide that the trustees of each school district therein specified shall, at least three weeks before the annual meeting or a special meeting called for that purpose, prepare and post an estimate of the amount necessary for the support of the schools therein, including the sum required for building, for the purchase of furniture, apparatus, and books, and for contingent expenses, and shall present such estimate at the meeting, when the inhabitants shall vote on each item separately, and such or so much thereof as shall be approved by a majority of the inhabitants shall be levied and raised by tax. Held, that the inhabitants have no power to provide for the payment of a salary for the district clerk from funds so raised, unless such item was included in the estimate so prepared and posted.—Gibson v. Roach, Sup. N. Y.

Under a law making a town or city liable in damages for the unlawful exclusion of a child from one of its schools, an action will lie where the fault for which the child was suspended was a disputed fact, and the school committee refused the application of the father for a hearing, and excluded the child until he acknowledged his fault.—Bishop v. Inhabitants of Rowley, Mass.

Where the fault for which a child was suspended was a disputed fact and the school committee refusing the father's application for a hearing, excluded the child until he acknowledged his fault, a finding, in an action under Pub. St. c. 47, §12, for the unlawful exclusion, that the child was in fault, will not defeat the action.—Bishop v. Inhabitants of Rowley, Mass.

The father of a non-resident pupil need not be notified of the recorded resolution of the school board fixing the rate of tuition for his child, to render him liable therefor.—Fractional School Dist. No. 1, Paw Paw and Antwerp Tps. v. Yerrington, Mich.

NEW RULES AND REGULATIONS.

Brooklyn, N. Y. Board adopted the following rule: The schools shall be closed on Saturday and Sunday of each week, from the 25th of December to January 1, inclusive, on all legal holidays, Good Friday, the Friday following Thanksgiving Day, and on the day of the Sunday School Anniversary, from the 30th of June to the second Monday in September, on all days appointed by public authority for religious observances, and on such other days as the board may direct, except for local causes applicable to the immediate district or school.

Manchester, N. H. Board adopted the following rule: Teachers hereafter elected, who have not before been employed, must hold a State certificate, but probationary board certificates may be granted upon examination to new teachers, good only until the next State examination, at which time a State certificate must be secured.

Petersburg, Ind. The county board adopted a resolution to the effect that teachers who do not attend the township institute must forfeit 5 per cent. on success. That an applicant for a teacher's license, after three failures, be required to wait three months before passing another examination.

Dayton. The board prohibits in its rules the use of tobacco and cigars about the school buildings. Mr. Bates thought the board ought to practice what it preaches and introduced a resolution for the prohibition of smoking in the board room during the sessions of the board. It narrowly escaped adoption.

A rule of the public schools of Copenhagen requires that each pupil shall take three baths a week in the school building. While the pupils are bathing, their clothes are sterilized in a steam oven. When this practice was first introduced there was no complaint, but in a short time the parents of the children "protested vigorously on the ground that it made the children discontented with their dirty clothes, and caused them to complain constantly of the filth of their dwellings."

Chester, Pa. Board fixed the rate to be charged per month to scholars coming from contiguous districts into the highest four grades a \$4.50.

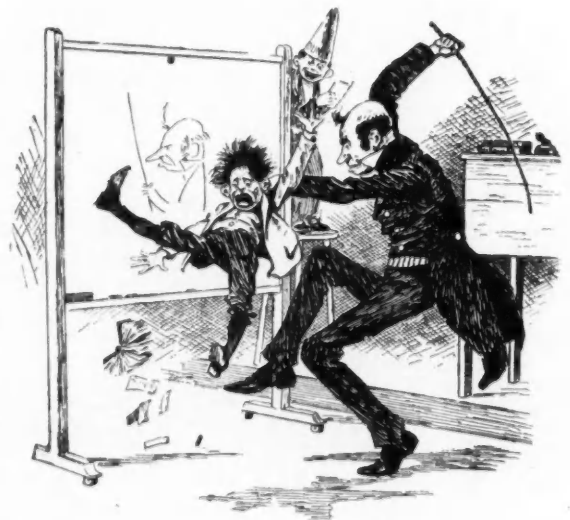
Utica, N. Y. The board's regulation regarding vaccination is as follows: No child, or other person, shall be admitted, or allowed, to continue in any of the public schools who does not present, upon entering, a certificate from a regularly practicing physician showing that such child or other person has been vaccinated, or that there are justifiable constitutional reasons for the exemption from vaccination.

Chattanooga, Tenn. Under the present rules, school opens at 9:00 o'clock and runs until 12:30. Then comes a recess of forty-five minutes. School reconvenes at 1:15 and continues until 2:45, giving five hours and thirty minutes to actual school work. Under the proposed new rules school will convene at 9:00 o'clock, and close at 4:00 o'clock, but instead of giving three-quarters of an hour recess, it is proposed to give an hour and a half in the middle of the school day. The new rule meets with opposition.

Keene, N. H. Board granted a petition of parents, requesting that one session, lasting from 9:00 a. m. to 1:30 be held each day, instead of two sessions.



HARVEY H. HUBBERT,
Chairm. Exec. Com. Pa. State
School Directors' Ass'n.
Philadelphia, Pa.



A STRUGGLING YOUNG ARTIST.—Life.

Saginaw, Mich. The high school committee recommended to the board against two sessions.

Concord, N. H. The board of education voted to allow teachers in the High School one day in each year to visit out-of-town schools.

Winona, Minn. A rule of the Board requires that when considering the qualifications of teachers the Board go into executive session.

Rochester, N. Y. Board passed a rule requiring that the school carpenter shall report each week to the Chairman of the Repair Committee the number of day's work accomplished, the number of assistants employed, the salary earned by each and a description of work done.

Buffalo, N. Y. Among the rules governing the schools is the following: Every pupil who, on reasonable notice by the teacher, shall neglect to furnish himself or herself with the proper stationery, or other articles not supplied by the City, and necessary or required to be used in the class to which he or she belongs, shall be liable to suspension by the principal from the privileges of such school, subject to appeal in case of inability to the Superintendent of Education.

Grand Rapids, Mich. The school board has decided that each school teacher, before signing

her contract, must swear that she will entertain no matrimonial propositions during the year.

Fremont, O. Hereafter the promotion of pupils in the high school will be based upon the daily work, written tests and deportment. All tests will be announced and given upon concurrence of principal and instructors.

McGregor, Ia. The school board adopted a resolution providing that pupils for the first primary department may be received only at the beginning or middle of the school year.

Detroit, Mich. The Committee on Supplies has adopted a resolution to the effect that reporters should henceforth be excluded from meetings of the committee.

Council Grove, Kas. The board adopted a rule to assess a fine of 10 cents on pupils who keep books drawn from the school library over two weeks.

Lima, O. Board of Education has forbidden the teachers to take any part in politics, except to vote.

Meriden, Conn. Board established a rule that scholars in the grammar department who have a grade of 70 per cent. may be promoted to the high school without an entrance examination to the same.

Rockport, Ind. The County Board adopted a resolution to the effect that all persons employed as principal of the township and town high schools of this county, shall be required to hold license issued by competent authority to teach the high school branches.



R. L. YEAGER, Esq.



LOUISA REED STOWELL.



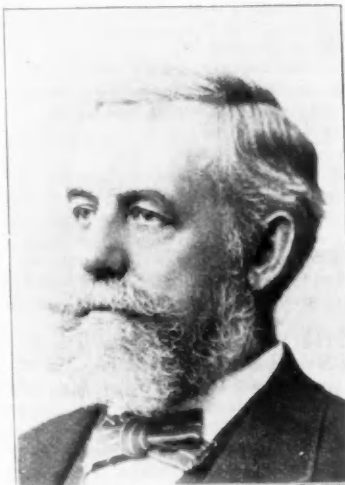
DR. JNO. E. CLARK.



J. B. MORETON.



HON. D. R. CAMERON.



HON. GEORGE R. FOWLER.



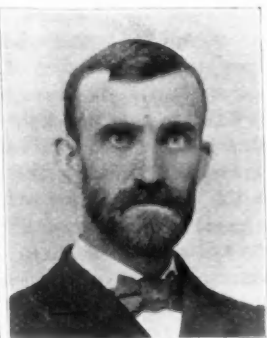
WM. S. MACK.



W. E. ODELL.



WM. BACKUS, Esq.



H. H. QUIMBY.



HON. W. A. HUNT.



WM. MEYST.



J. J. COLLINS.

THE BUILDERS OF THE NATIONAL SCHOOL BOARD CONVENTION IDEA.

Hon. George R. Fowler, President Department of School Administration, N. E. A. Boston, Mass.

Miss Louisa Reed Stowell, will speak on "Free Text-Book System." Washington, D. C.

Hon. R. L. Yeager, will speak on "School Boards, What and Why." Kansas City, Mo.

Dr. John E. Clark, will speak on "Shall Teachers be Pensioned?" Detroit, Mich.

J. B. Moreton, Secretary Department of School Administration, N. E. A. Salt Lake City, Utah.

Hon. D. R. Cameron, Vice-President Department of School Administration. Chicago, Ill.

Wm. S. Mack, Aurora, Ill., will speak on "The Relation of the Board to its Superintendent."

Hon. W. E. Odell, President Iowa School Directors' Association. Des Moines, Ia.

Hon. Wm. Backus, will speak on "School House Hygiene." Cleveland, O.

Hon. H. H. Quimby, Mont Claire, Pa., President Directors' Association of Pennsylvania.

Hon. Wm. Meyst, President Wisconsin School Board Association. Milwaukee, Wis.

Hon. J. J. Collins, President State School Trustees' Association, Dallas, Texas.

Hon. W. A. Hunt, President Associated School Boards of Minnesota. Northville, Minn.

TEXT BOOK ADOPTIONS.

Davenport, Ia. Normal system of vertical writing.

Indiana. The state board of education at its last meeting adopted the following text-books for use in the schools of the state for a period of five years: Practical lessons in the use of English, book I, and a practical English grammar, both published by D. C. Heath & Co.; the leading facts in American history, published by Ginn & Co.; primary lessons in human physiology, and advanced human physiology, published by the Indiana School Book Co.; spelling book, published by the Indiana School Book Co.; the histories and physiologies now in use will be continued, as these books have been revised, which revised edition will be purchased as new books are needed.

Santa Rosa, Cal. The County Board of Education has adopted the following text-books: National Music Book and Song Wave, American Book Company; Hill's Lessons in Geometry; Normal Review Course in Penmanship; Pacific History Stories, by Wagner, and Warner's Primer Series as supplemental to the reading course in algebra; Elementary Drawing Simplified and Drawing Simplified, by Augsburg.

The County Board of Fayette County, Ia., adopted the following books for a period of five years: Swinton's readers, Pollard's synthetic speller and first reader for primary pupils, Milne's elementary arithmetic, Fish's No. 2 Arithmetic, Sheldon's "modern" speller, Swinton's geographies, Eggleston's first book in U. S. history, Barnes' brief U. S. history, Hyde's language lessons, Conklin's grammar, Hutchinson's physiology book I, for teachers, Hutchinson's physiology book II, Steele's hygienic physiology, Chandler's "Iowa and the Nation," Dale's economics, Webster's academic and primary dictionaries, Merrill's vertical and slant copy books, Paul Bert's primer of scientific knowledge (for text in nature study), White's common school daily register, Stoddard's new mental arithmetic.

Mt. Vernon, Ia. Werner primer, New Normal readers, Raub's lessons in English, Raub's practical English grammar, Raub's arithmetic (elementary), Raub's arithmetic (complete), Werner's mental arithmetic, Ellis' history of the United States, Buckwalter's spellers, Duglison's elementary physiology, Duglison's school physiology, Practical copy book, Sharpless plane and spherical geometry.

Wilson Co., N. C. Stickney's series of readers were substituted for Holmes', Lee's brief history of the United States as a supplement; Lee's school history takes the place of Stephens' as a reference book, Manly's southern literature, and Curry's southern states of the American union were added.

Halifax, N. C. The county commissioners adopted the state list of text-books heretofore used, adding Frye's primary and complete geographies, by Ginn & Co., Lee's history, by B. F. Johnson & Co., and southern literature and Dr. Curry's book on the southern states.

Caldwell Co., N. C. The board of commissioners adopted the University Publishing Co.'s books.

Henry, Ill. Frye's geographies.

Denver, District 1. D'Ooge's Viri Romæ.

Randolph, N. C. Lee's high school history was put on the list with Stephens' history as a reference book, and Manly's southern literature was recommended to be used where needed.

TEXT BOOK NEWS.

Ohio. The five year text-book contract expires next month. The new adoptions will be made in all counties at the same time.

Boston. The Natural system of vertical writing, published by D. C. Heath & Co., has been added to the list of text-books.

Iowa. County adoptions of text-books have nearly all been made. The American Book Co., represented by V. L. Wilson, and Messrs. Stoner & Winters secured the largest share. The Werner School Book Co. also secured a number of adoptions as well as Ginn & Co., D. C. Heath & Co., Silver, Burdett & Co.

Grand Rapids, Mich. Board adopted a report recommending the adoption of a series of copy-books issued by the board, and that the work in penmanship in the schools be done without the assistance of a special supervisor of penmanship.

Nebraska. County adoptions will be open in the fall. When the New Hanover, N. C., board of education met to adopt books a committee urged the adoption of Lee's School

History of the United States, Lee's Abridged History, and "The Southern States of the American Union," by the Rev. J. L. M. Curry, D.D., LL. D. They submitted to the board that some of the histories heretofore were untruthful as to events connected with the war, so far as the South is concerned, but some of them were full of insults to the Southern people and unfit for Southern children to study. They stated that all they wanted was a history that recorded the simple truth, and as Lee's history was fair enough to give credit to Pettigrew's charge at Gettysburg, they favored that history, the author of which is Mrs. S. P. Lee, of Lexington, Va. The adoption was then made.

Chicago. A motion to hold secret committee meetings for the purpose of considering text books failed. Mr. Rosenthal gave as his reason for secrecy that many publishers were present and that the superintendents might be timid in expressing their views in regard to the books under consideration. Mr. Brennan, chairman of the committee, took a different view of the matter. He said: "We are engaged in the public business and the public should know what we are doing. We are not afraid of the book agents who are here. If they are they ought not to be."

York, Pa. The board of school directors awarded the contract for school desks, recitation settees and office chairs for director's room to Thomas Kane & Co., Racine, Wis.

Wilkes Barre, Pa. Supt. Coughlin in his report to the board comments favorably upon the Pollard Synthetic method and Eggleston's first book on American history.

Indiana. The firms represented in the bidding for state contracts were the following: Leach, Shewell & Sanborn, Chicago; Jonathan Rigdon, Danville, Ind.; Maynard, Merrill & Co., Chicago; D. C. Heath & Co., Chicago; Indiana School Book Co., Indianapolis; Inland Publishing Co., Terre Haute, and Ginn & Co., Chicago. The Indiana School Book Co. was evidently well prepared to present its case. It had sent out some time ago quite a large number of books to educators in various parts of the state for examination and had received letters from most of them, which were filed with the board, and are understood to be indorsements of the books. This company offered its Indiana state series of language lessons, first book and second book, for 25 cents and 40 cents, respectively.

Chicago. The council adopted the following resolution: WHEREAS, A spirited contest is being waged by book firms in Akron, O., Cincinnati, O., St. Louis, Mo., and New York City to secure the contract for supplying the schools of Chicago with text-books, and

WHEREAS, A Chicago book and publishing house employing union labor is also a competitor, and agrees to furnish the best school books at a lower price than is paid at present, and if successful, will employ fifteen union compositors and 500 union workmen in all departments, all residents of Chicago, and thereby assist to build up a great school-book publishing industry of permanent benefit to Chicago; therefore be it

Resolved, That the board of aldermen of the city of Chicago most strenuously urges and requests the board of education to award the contract to the firm printing and publishing the books in Chicago, and earnestly protests against giving the work to non-resident firms, thus depriving our own workmen of employment to which they are justly entitled.

June 1st the whole state of North Carolina began to adopt school books by counties.

Among the many schools and colleges now adopting the Isaac Pitman system of shorthand, may be mentioned Paine's business college, one of the oldest and best known institutions in New York City, which makes the announcement in its new prospectus. The teaching of the Isaac Pitman shorthand in the public schools of this and other large cities has had the effect of popularizing this system to such an extent, that it would seem that the day is not far distant, when the majority of schools and business colleges will be teaching it.

Improved reading and spelling by the Pollard Synthetic method.

Comment of D. P. Dane, of Greenfield, Mass., in his January, 1896, annual report: "The critical study of sounds, syllables, and words, is making better spellers of our pupils and is securing a clearer articulation and more correct pronunciation."

In another column see advertisement of the Western Publishing House, Chicago.

Brooklyn, N. Y. Board of education received the following communications: From Perry, Mason & Co., proposing to furnish selections from the Youth's Companion, Nos. 1 to 9, at 7½ cents each; By Land and Sea (Nos. 2 to 5, in one volume), at 30c.; Talks About Animals (Nos. 6 to 9, in one volume), at 30c. From Rand, McNally & Co., proposing to furnish the Rand-McNally Elementary geography, at 44c.; New Large Scale Outline map, spring rollers, in diamond case, each \$2.60; Rand-McNally—physical map, spring rollers, in diamond case, each \$6.30. From Mrs. S. M. Ostrander, calling attention to the "History of Brooklyn and Kings County," by Stephen M. Ostrander. From Scott, Foresman & Co., proposing to supply readings from the Bible at 25c. per copy. From the Morse Co., asking that Thompson's Fairy Tale and Fable, primary reader, be placed on the special list of text-books in addition to the general list, and submitting samples of "New Century Busy Work." From Wm. B. Harrison, proposing to furnish the Easy primer at 24c. per copy. From D. C. Heath & Co., proposing to furnish Heath's vertical copy-books, Nos. 1 to 6 inclusive, at 63c. per dozen. From the Werner School Book Co., submitting the Story of Our Country, at 48c.; the Werner arithmetic book, at 32c. From Maynard, Merrill & Co., submitting Merrill's vertical penmanship,

supplemental series, Nos. 1 and 2, at 77c. per dozen. From Houghton, Mifflin & Co., proposing to furnish quadruple numbers of the Riverside literature series, at 48c. each; Masterpieces of British literature, at 80c.; Froebel's gifts, Froebel's occupations, Kindergarten principles and practice, each 67c.

Detroit, Mich. Board ordered purchased, one copy of Baist's atlas of Detroit.

Chicago, Ill. It was voted to order 350 copies of the leaflet, "Voices of the Woods."

Milwaukee, Wis. Board received a communication from Scott, Foresman & Co., for the introduction of readings from the Bible.

Brooklyn, N. Y. The following text-books were ordered placed on the list for use in the schools:

General List.—Hill's Principles of Rhetoric, Lane's Stories for Children, Baldwin's Old Greek Stories, Baldwin's Old Stories of the East, Eggleston's Stories of Great Americans for Little Americans, Eggleston's Stories of American Life and Adventure, Old Time Stories, Hinsdale's American Government, Wiltse's Grimm's Fairy Tales, Part II, Newcomer's English Composition, Rupert's Geographical Reader, Southworth's Essentials of Arithmetic, Part I, Southworth's Essential's of Arithmetic, Part II, New Franklin Arithmetic, Bergen's Elements of Botany, Hall & Knight's Elementary Algebra, Hall & Knight's Algebra for Beginners.

List for High Schools.—A Practical Course with the French Language by Languellier & Monsanto, Le Chien de Brisquet by Nordier, D'Ooge's Viri Romæ, Genung's Outlines of Rhetoric, Collar & Daniell's First Latin Book, Myer's History of Greece, Montgomery's Leading Facts of English History, Montgomery's Leading Facts of French History, Goodeve's Principles of Mechanics, Thompson's Elementary Lessons in Electricity and Magnetism.

Columbus, O. State Superintendent Corson, is sending to all the boards of education of the state, the following list of publishers who have agreed to sell text-books at 75 per cent. of the listed price: Ainsworth & Co., Central School Supply House, S. C. Griggs & Co., Prang Educational Co., Rand, McNally & Co., Scott, Foresman & Co., Werner School Book Co., D. C. Heath & Co., Chicago, Ill.; The John Church Co., American Book Co., Cincinnati, O.; Creamer Publishing Co., Washington, C. H., O.; Eldredge & Bro., J. B. Lippincott & Co., John E. Potter & Co., Christopher Sower & Co., Philadelphia, Pa.; H. W. Ellsworth, A. D. Lovell & Co., Macmillan & Co., Maynard, Merrill & Co., Morse Co., Potter & Putnam, Sheldon & Co., Harper & Bros., New York; Ginn & Co., Frank V. Irish, J. D. Luse, C. W. Slocum, A. H. Smythe, Columbus, O.; Allyn & Bacon, Houghton, Mifflin & Co., Leach, Shewell & Sanborn, Lee & Shepard, Silver, Burdett & Co., Thompson, Brown & Co., Boston, Mass.; The Lansing Printing Co., Norwalk, O.; The Practical Text-Book Co., Cleveland, O.; L. S. Wells, W. G. Williams, Delaware, O.

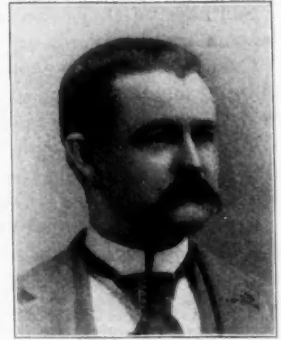
Board of education at Akron, O., will have school books sold from certain stores, instead of school buildings; the dealers to receive five per cent. for their sales, and be held responsible for the books.

Chicago, Ill. Board agreed to place the primary geographies of Werner, Frye, and Rand, McNally & Co. on the list of supplementary reading.

Indiana. The State School Commission has adopted many of the suggestions of the G. A. R., which will be incorporated in the revised history in use in the state schools. Besides the corrections and inaccuracies of the old history, which will be laid aside, there will be four pages added, devoted to the biographies of the leading Union generals, including Hancock, Logan, Reynolds, McPherson, Howard, and others, and the bravery of the Union soldiery will be shown to have been as great as those who served on the other side.

A beginners' arithmetic, entitled "The First Five Numbers," has just been published by Anton Rheude, Milwaukee, Wis. The work is arranged upon an original plan.

Advance orders for the Holden Patent Book Covers, manufactured by the Holden Patent Book Cover Co., Springfield, Mass., are coming to them rapidly now, to avoid the great rush in the factory in July, August and September. Many of the large cities have already secured their supply so as to have the soiled covers taken off and clean ones substituted before transferring the book to another pupil. They find it the best plan to have the work done in Summer vacation, and repairs made, so that all are ready for school use when the fall term begins.



E. B. CRAIGHEAD,
Pres. Clemson College, South
Carolina Member State
Board of Examiners.



JOSEPH H. STRONG,
New Member Board of Education, Chicago, Ill.

CALIFORNIA TEXT-BOOK LAW.

1874. In the adoption of text-books all county, city, and city and county boards of education shall be governed by the following rules:

First—Any books hereafter adopted as a part of a uniform series of text books must be continued in use for not less than four years.

Second—No change of text-books must be made at any other time than in the months of May or June of the year in which the change is made and no changes shall be made to take effect till the beginning of the school term commencing after the thirtieth day of June of that year; and no books other than those published by the state shall be adopted by the board of education of any county, city, or county, or be used as text-books in any of the public schools of this state in the subjects of reading, orthography, English grammar, arithmetic, geography, United States history, physiology, and civil government.

Third—At least sixty days' notice of any proposed change in text-books must be given by publication in a newspaper of general circulation published in the county, if there be one, in which such change is to be made. If there be no newspaper published in the county, then such publication shall be made in any newspaper having a general circulation in the county. A copy of the newspaper containing such publication, with such notice marked, must, immediately after the first publication thereof, be by the secretary of the board transmitted to the state board of education, and the same, when received, must be filed by the secretary of said state board. Said notice shall state what text-books it is proposed to change; that sealed bids or proposals will be received by the board for furnishing books to replace them; the place where, and the day and hour when all bids or proposals will be opened, and that the board reserves the right to reject any and all bids or proposals. Said notice shall be published in such newspaper as often as the same shall be issued after the first publication thereof.

Fourth—At the time and place specified in said notice, the board shall meet and publicly open and read all of the bids or proposals which have been received by them, and shall make their awards thereon within ten days thereafter.

Fifth—Said bids or proposals must be accompanied by sample copies of the books proposed to be furnished, together with a statement of the wholesale and retail price at which the publisher agrees to furnish each book within the county, or at San Francisco, during the full time for which said books are to be adopted.

Sixth—If no satisfactory bids or proposals are received, then the books already in use may continue in use until changed, as herein provided.

Seventh—The publisher or publishers whose proposals shall be accepted, must enter into a written contract with the Board of Education making the award, and shall give a good and sufficient bond in a reasonable sum, to be fixed by the board of education, for the faithful performance thereof. Publishers of books already in use may bid under the provisions of this section as well as others, and such bids, if satisfactory, may be accepted by the Board.

Eighth—High schools shall be exempt from the provisions of this section.

Ninth—Nothing in this act shall conflict with any provision of law relating to the State series of text-books; nor shall anything be construed to permit the adoption of any text-books upon any subject covered by the State series of books.

John A. M. Passmore, who represents the American Book Co. at Philadelphia, is the treasurer of the Wickereham Memorial Committee, which has for its object the establishment of the Wickereham Pedagogical Library in honor of the late James Pyle Wickereham, state superintendent of public instruction from 1867 to 1881.

SPECIAL STUDIES.

Boston. The board contemplates the introduction of a commercial course in the high schools.

Worcester, Mass. Cooking and sewing will be considered in connection with manual training.

Binghamton, N. Y. Committee reported adversely on a morning flag service.

Indianapolis, Ind. There is an agitation against German and physical culture.

Kansas City, Mo. Supt. Greenwood favors the general introduction of the metric system.

Cleveland, O. An effort is being made to drop the study of German from the public schools.

Rochester, N. Y. Board decided to have stenography and manual training taught in the schools. The Mayor declared that he would not sanction the board's action.

Marshalltown, Ia. The board decided to drop the supervisors of physical culture, music and drawing. By a tie vote the special teachers in German and stenography were retained.

Philadelphia, Pa. Board of Education has received a communication from the Thirty-second Sectional Board protesting against the introduction of music in the schools of that locality, on the ground that the curriculum is already overcrowded.

Los Angeles, Cal. The school board has decided to establish manual training in the public schools.

Pittsburg, Pa. Some 200 or more teachers have taken lessons in free hand gymnastics and the easier exercises in wands, dumbbells and Indian clubs, and are putting their knowledge to use among the pupils. The result, it is thought, will be that most of the schools will employ experts to take charge of this form of education.

Oakland, Cal. Music in the public schools is being taught after school hours.

South Chester. The school board has employed a teacher in stenography and typewriting and has started a thorough business course in the schools.

Wausau, Wis. Board engaged a special teacher to teach music.

Spencer, Mass. It is proposed to introduce a business course at the high school, to include book-keeping, typewriting and shorthand.

Middlesex, Vt. It is understood that the vertical writing system is to be taught in the schools.

Rochester, N. Y. Board decided to introduce sewing into the public school.

Pawtucket, R. I. Board has taken necessary steps for the establishment of a manual training and cooking school.

Lansing, Mich. The superintendents of Michigan in convention adopted the following resolution: "Resolved, That we regard regular instruction in vocal music, penmanship, drawing, physical culture and nature study in the public schools as of great value as a preparation for the duties of citizenship and the requirements of modern life, and that such instruction should be given by the regular teachers, and whenever practical, it should be under the direction of expert supervisors." A resolution was also adopted favoring the high school course, from which pupils can be graduated without any requirements of foreign languages.

The Preece System of Body Training was invented by Mrs. Louise Preece, supervisor of physical training in Minneapolis, Minn., schools.

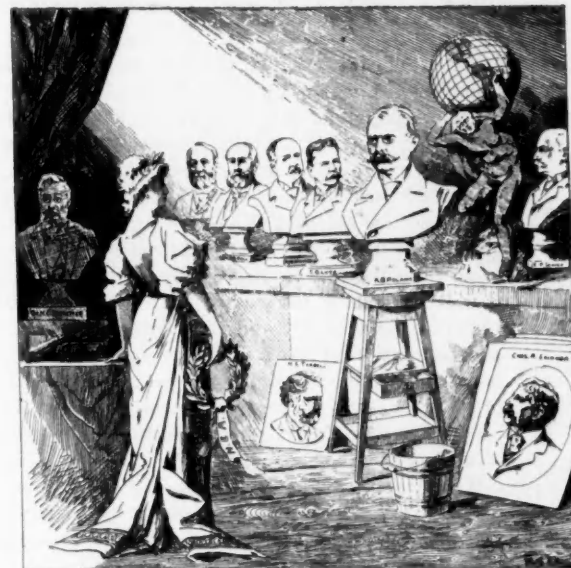
Col. Francis W. Parker, of the Cook Co., Ill., Normal School, is a warm advocate of the teaching of music, "for the reason that rhythm underlies all motion."

Lima, O. The board abolished the positions of music, writing and German teachers in the primary department.

Marinette, Wis. Board dropped the study of Greek in the High school, and will not engage a special instructor of music for the grammar schools next year.

Westboro, Mass. High school course in English has been increased from three to four years.

THE EDUCATIONAL SCULPTOR'S STUDIO.



WHOM SHALL THE N. E. A. HONOR WITH ITS PRESIDENCY.

WELL DESERVED RECOGNITION.

It is gratifying to know one's efforts are not in vain, but to find that a firm is fulfilling more than it claims, is doubly pleasing. Prof. Geo. G. Ryan, Supt. of New Brunswick, N. J., schools, in talking with Mr. G. W. Holden, president of the Holden Patent Book Cover Co., of Springfield, Mass., said: "Why, you don't state your claim half strong enough for your Adjustable Book Covers and Repairing Material. I have given the matter my personal supervision during the past year, and I find we have obtained wonderful results. I am convinced we are making our books last twice as long as usual by using your system for preserving books, besides giving them a neat and uniform appearance in the school room."

New Brunswick, N. J., is only one of over 700 prominent school boards using the Holden Adjustable Book Covers and Repairing Material, and hundreds of letters have been written praising the Holden system for preserving books for the great economy, neatness, and hygienic benefit obtained by its use. Send for free samples and information, and place early order to avoid rush later. Orders in factory under process of manufacture June 1st were for over 400,000. Holden Patent Book Cover Co., Springfield, Mass.

Col. Chas. W. Johnson, of Silver, Burdett & Co., is spending his vacation in the West.

N. D. Cram, of Silver, Burdett and Co., formerly associated with their western office, is now located in the East. He is looking after the city of Boston and surrounding country. Mr. Cram is an able school man.

The stock and interests of the firm of S. C. Griggs & Co., Chicago, has been purchased by Scott, Foresman & Co. Mr. Griggs retired recently on account of his advancing age and it was thought best to transfer the list of books which has considerable merit, to some live firm. Scott, Foresman & Co. are the youngest educational publishing house in the west but the recent additions to their list strengthen them considerably and place them among the most active ones. Sometime ago they purchased the Geo. Sherwood & Co. list of books.



GEO. C. HOUGHTON, M. A., County Supt. Hudson Co., Hoboken, N. J.

SCHOOL BUILDINGS.

DR. A. G. FIELD, OF DES MOINES, READS A GOOD AND TIMELY PAPER AT CRESTON.

The following was read before the medical society meeting at Creston, by Dr. A. G. Field of this city:

"The subject of school hygiene is neither new, novel, nor wanting in literature, but its importance justifies every effort and suggestion that may be made for its improvement. I make no apology, therefore, for bringing it again to the notice of the profession, which has been in all ages and under all conditions the conservator of the public good.

Statistics show that more than 680,000 persons between the ages of 5 and 21 years are included in the population of Iowa at the present time. This large multitude—the rising and coming generation of citizens—are in process of development and preparation for the multifarious duties on the stage of action as American citizens.

Whatever there be in school life that curtails the natural attributes—nay, more—whatever of possible assistance to the progressive evolution of the natural powers—physical, moral or mental—that is not provided withholds assistance in the same degree from the future possibilities of our grandest of all civilizations and robs the world of the best fruits of human perfection.

The home of school life is the school-room. A personal inspection of a very large number of these homes has disclosed a very great diversity of architectural provisions for heating, lighting, ventilating and seating them. The modes of lighting may be used as an illustration. Some have windows on three sides, some have windows at only one end. Some have windows in clusters of two, three or four, others have them evenly distributed along the sides. Some have an aggregate of glass area in the windows equal to one-fourth of the floor area, while others have but one foot of glass area to fifteen square feet of floor. One teacher in a room with a glass area equal to one square foot for every five square feet of floor area, incidentally remarked that she had noticed that three of her scholars had become near-sighted, but she added, "I think it is natural." The great probability is that her strongly lighted room was responsible for the incurable defect in the eyes of her pupils—the highest medical authority to the contrary notwithstanding.

In these school rooms the same diversity exists as to the manner of heating, ventilating and arrangement of seats. Now, it is evident that all these cannot be the best, under any possible combination of circumstances. There is, however, a best plan by which to light a school room, and a best way to heat a given form of school room, and a best way to ventilate and seat a school room, and these best ways can only develop the best possibilities in the rising generation. These best things should be the crowning characteristic of every school room, and it is our duty to provide them. Such, however, cannot be expected to result from the unrestricted operation of our present common school laws, by which the adoption of plans are often left to those without experience or other qualifications, unless it be the mere occupancy of a school office. This condition might be obviated by having plans worked up under the most careful sanitary and architectural supervision with special reference to the several needs, requirements and financial ability of a variety of school districts—plans for buildings ranging in cost, say from \$1,000 to \$20,000, such sets of plans to be recognized as standard and stereotyped, to be furnished only through the office of the superintendent of public instruction to districts intending to construct school houses, and to be adopted by them without change or modification. This requirement would obviate many errors and expensive innovations which now find their way into plans and specifications, and would insure to every district the very best structures at minimum cost. With improved school houses, the most liberal use

of charts and blackboards, and a more sacred regard for the laws and conditions of nature in the conduct of schools, we may cherish a reasonable hope that the succeeding generation will not be one of punies, cripples and equints manufactured in school house by school methods at the expense of the property owners by compulsory taxation.

Another matter of considerable interest in connection with public schools might with some degree of propriety be headed moral sanitation. It is a comparison between the growth of expense to the taxpayer in maintaining our system of public schools and the expense of crime. This may at first sight appear to be an attempt to approximate two subjects too remote for comparison. But as a matter of fact they are very nearly allied to each other. The whole superstructure of the public school system rests its financial support upon the assumption that education diminishes crime. In other words, crime jeopardizes property interests, and reduces property values.

It is assumed that education diminishes crime. Therefore, tax upon property to educate the masses is justified. Relying upon the soundness of this proposition, the general government has made large land grants to all the states. Grants were bestowed upon all of our educational institutions, including the common schools. Some of our institutions have squandered these grants long ago, and for many years the taxpayers of the state have been drawn upon to defray the expenses of making doctors and lawyers, because doctors and lawyers are supposed to render values in farm lands more secure. This paper is not intended to antagonize this proposition, but it attempts to present some collations from statistics to show that the expense of crime does not diminish with the growth of the public school system, and that if the public school system discharges its obligation to the taxpayer it must turn out a higher order of citizenship than it has been doing in the past. The cost of crime in all its phases is very great and difficult to even estimate. But we may take one item of which we have the statistics as an index for comparison.

In the year 1880 there was expended for the support of the public schools of the state the sum of \$4,921,249, and for criminal convictions the sum of \$313,141; population was 1,624,615. A little calculation on this basis shows that for every individual—man, woman and child—the cost of the public school was \$3.029, and for every conviction of crime 19 cents and 2 mills. In 1885 the cost of public schools was \$6,054,313, and the cost of criminal convictions \$413,340; the population then was 1,753,980. The cost of public schools per capita was \$3.446, and the cost of criminal convictions \$0.231. In 1890 the cost of the public schools was \$6,210,317, and the cost of the criminal convictions \$452,294; the population was 1,911,806. The expenditure per capita for public schools was \$3.30, and for criminal convictions \$0.236.

These figures show with what generous hands the property owners are putting up the increasing millions every year to maintain the public schools as a safeguard against the crime, and they show also that the other burden, that of crime, so far from being diminished, is increasing with each succeeding year.

What the statistics of crime would be without the public schools we do not know, but if the public schools are to give us a higher order of citizenship in return to the taxpayer for what they cost, it high time to see some of the fruits. In a personal visitation to quite a large number of these schools, the following stereotyped question was asked of teachers and principals: "Is anything taught to impress the importance of industry, honesty and a faithful discharge of duty as a citizen?" The general reply was, "Yes, we are doing what we can by precept and by example to impress these things and to make good citizens." Some alluded to the general apathy and lack of moral restraint in many homes from which the children came. But the obligation of home to the child is

of a different nature entirely, and of which we are not now attempting to treat. The question is, what can the public schools do to improve the character of citizenship, and especially to diminish crime. It appears that at present the teachers unaided and alone, are making use of whatever individual resources they possess for good. But they should be aided by an authoritative, well considered and well matured plan, formulated as a guide to be used in cases where they feel the need of it. A clear conception of right and wrong should be cultivated by the most painstaking methods. That crown jewel of all true manhood and true womanhood—conscience—should be preserved as a guide in all the affairs of life.

The formulation and preservation of helps for the teacher along these lines, would be an achievement worthy the purest philanthropist, the wisest statesman and the noblest patriot, and they would be worth to the state the whole millions laid every year at the shrine of public education.

PENSIONING OF TEACHERS.

Buffalo, N. Y. A law is urged providing that any female teacher who has taught school for 25 years and any male teacher who has taught schools for 30 years, provided four fifths of this time was in Buffalo, will be allowed to retire and draw from the fund an annuity equal to one-half of his or her salary, provided such sum shall not exceed \$600. The fund will be created by the teachers themselves, who shall pay 20 per cent. of their annual salary into the treasury.

New York City. The board retired ten teachers on a pension.

Lowell, Mass. The Primary School Teachers' Association proposes to protest against the proposed act providing a pension for school teachers at a certain age.

Sioux City, Ia. The school board has ordered all penny-in-the-slot machines removed from the vicinity of the school houses.

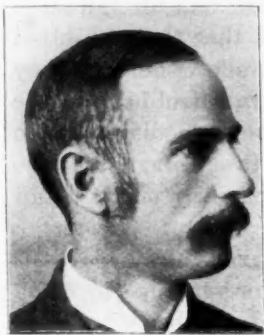
Chicago. The board has under consideration the establishing of a school for the use of news boys and other street urchins.



E. H. HERSHEY,
Executive Com. State School
Dir. Ass'n,
Gordonville, Penn.



PROFESSOR'S WIFE (with a crying child):—"Do deliver me from this child a few minutes."
PROFESSOR:—"I deliver nothing but lectures."



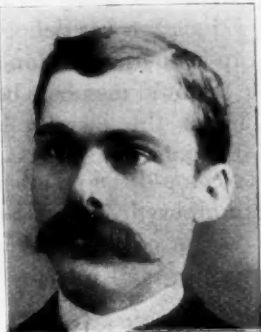
B. F. BROWN, B. S. D.,
School Com. Atchison County,
Rock Port.



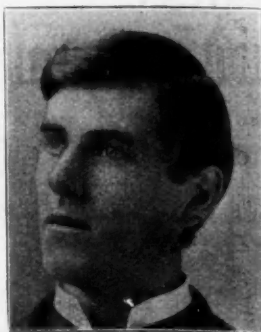
C. D. RAGLAND,
School Com. Lafayette Co.,
Wellington.



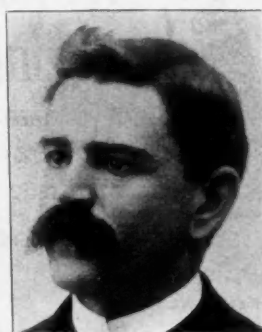
CHAS. H. SIMMONS,
School Com. Wright County,
Hartville.



W. A. MUSSETTER,
School Com. Lewis County,
La Grange.



A. R. BOONE,
School Com. Mississippi Co.,
Charleston.



JNO. F. OSBORNE,
Co. Commissioner of Schools,
Evansville.



HORACE G. MURPHY,
School Com. Grundy County,
Trenton.



J. E. PETREE,
School Com. Newton Co.,
Seneca.



E. W. GALLENKAMP,
Sec'y Board of Education,
Washington.



MRS. A. M. HUBBELL,
School Com. Mercer County,
Princeton.



JOHN B. BRIER,
Supt. St. Louis County,
Ferguson.



ORVILLE L. DINES,
School Com. Chariton Co.,
Keytesville.



J. D. CAMPBELL,
School Com. St. Claire County,
Roscoe.



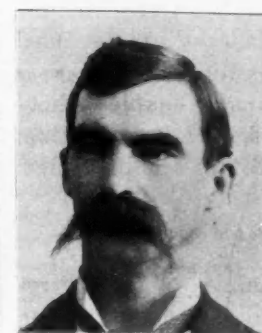
ALBERT L. IVES,
School Com. Lincoln County,
Winfield.



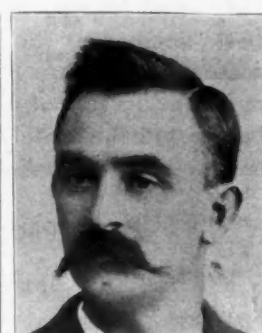
H. T. BYARS, M. D.,
Supt. Pemiscot County,
Caruthersville.



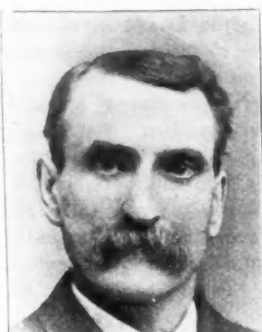
J. R. WILSON,
School Com. Buchanan Co.,
De Kalb.



W. W. THOMAS,
Supt. Webster County,
Marshfield.



CHAS. A. COLE,
School Com. Franklin Co.,
Washington.



A. J. WRAY,
School Com. Barton Co.,
Lamar.



J. L. HICKMAN, B. S.,
Supt. Schools Iron County,
Annapolis.



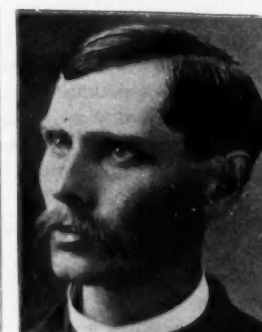
W. E. LACY,
Supt. Schools, Maries Co.,
Vienna.



C. D. THARP,
School Com. Hickory Co.,
Hermitage.



W. M. SHARP,
School Com. Ozark Co.,
Bakersfield.



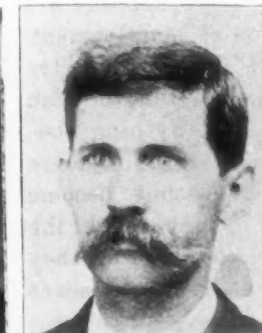
A. C. FARLEY,
School Com. Berry County,
Washburn.



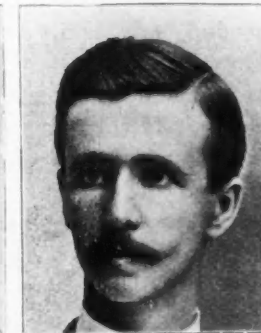
C. D. LEWIS,
School Com. Knox County,
Knox City.



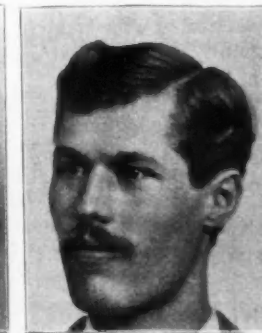
WM. A. WILKINSON,
School Com. Dallas Co.,
Buffalo.



GEO. W. PEARCEY,
School Com. Ozark County,
Thornfield.



E. E. ZIMMERMAN,
School Com. Andrew Co.,
Avenue City.



J. A. HYLTON,
School Com. Douglas Co.,
Ava.



S. M. BARRETT,
Supt. Jackson County,
Independence.

THE AMERICAN School Board Journal

DEVOTED TO
SCHOOL BOARDS, SCHOOL OFFICIALS, AND TEACHERS.

WM. GEO. BRUCE, - PUBLISHER AND PROPRIETOR
372-6 Milwaukee St., Milwaukee, Wis.

NEW YORK OFFICE: - - - 59 Fifth Avenue
Fleming H. Lutz, Advertising Manager.

CHICAGO OFFICE, - - - 24 Adams St., Room 41.
W. J. Lutz, Advertising Manager.

ISSUED MONTHLY.
SUBSCRIPTION, - - - ONE DOLLAR A YEAR.

Entered at Post Office at Milwaukee, Wis., as second class mail matter

We are publishing the only Journal devoted exclusively to School Boards and executive officers. We furnish information on the doings of School Board committees, including important executive actions, best methods of heating and ventilation, text-books, with prices and adoptions, school law decisions, models of school buildings, statistics upon salaries, publish the engravings of leading school men, etc.; briefly, we keep School Boards and Teachers abreast with the time.

NOTICE TO SCHOOL OFFICERS.

School boards and school officers contemplating the purchase of school desks, adjustable or standard, should consult our advertising columns. These represent not only the leading manufacturers but the best goods on the market at the most reasonable prices. The wonderful progress made in this line of industry enables school boards to get a modern school desk, durable, comfortable and graceful, at a nominal price.

THE PROGRAMME.

This is the programme of the First National School Board Convention, or Department of School Administration, to be held in connection with the annual meeting of the National Educational Association at Buffalo on July 8th and 10th:

WEDNESDAY, JULY 8TH.

All addresses limited to 15 minutes, and will be followed by a general discussion.

"The School Board Convention Idea," William George Bruce, editor American School Board Journal, Milwaukee, Wis.

"School Boards: What and Why," R. L. Yeager, Esq., president Board of Education, Kansas City, Mo.

"The Relation of a Board to its Superintendent," William S. Mack, member of the Board of Education, Aurora, Ill.

"The Free Text Book System," Mrs. Louisa Reed Stowell, member of the Board of Education, Washington, D. C.

FRIDAY, JULY 10TH.

General business routine, election of officers, etc.

"Shall Teachers be Pensioned?" Dr. J. E. Clark, president Board of Education, Detroit, Mich.

"School-house Hygiene," William Backus, Esq., ex-president School Council, Cleveland O.

"School-house Architecture," the Hon. J. E. Dooley, president School Board, Salt Lake City, Utah.

GOOD SCHOOL BOARD QUESTIONS.

We submit to county and state conventions of school boards the following list of questions which may bring out many profitable suggestions and solutions:

Of how many members shall a Board of Education (or School Board) consist, based upon the population of a city?

Should members be elected or appointed? From the city at large or to represent districts?

Should the members be elected in equal numbers from the two great political parties, or can any other device be suggested to eliminate politics from school administration?

By what authority should the superintendent of schools be elected or appointed? And for what term?

What should be the qualifications of a city superintendent of schools?

Should the city superintendent owe his appointment directly or indirectly to the state educational authorities and be responsible to them rather than the local authorities?

In whom should be vested the authority to license teachers? To cancel licenses for cause?

In whom should be vested the power to appoint teachers? In whom the power to discharge teachers?

Supposing teachers are appointed to a school, who should have the power to assign them to grades or classes?

Should the principle of competitive examinations be introduced in determining promotion to positions of greater responsibility or emolument?

How should the duties of superintendents on the one hand and of principals on the other in the supervision of methods and of teaching be defined?

By whom should the course of study be made?

By whom should text books be selected?

By whom should promotions be made?

By whom should disputes between parents and the teaching force be settled?

By whom should a compulsory education law be enforced?

MISDIRECTED EDUCATION.

A professional man lately said "the world is getting too much educated." A German writer, in a recent article on the social condition of that country, speaks of the great number of young men who are graduating from the universities and professional schools, and suggests restricting the number. The supply of professional men exceeds the demand. These men, finding no place where their services are needed, are really without employment. They become dissatisfied, and naturally try to find something or some one that they can blame. If they cannot find anything else, they blame the government, and think there is need of reform. Often they become socialists or anarchists. They think the world owes them a living in the way they want to live. They become unpleasant elements. Are American universities turning out too many professional men? Is our educational system training men and women to think that only professional labor

is respectable? We read that foreign monarchs have taken pains that their children should learn some trade whereby they might, if necessary, earn a livelihood. The industrial system in our schools ought to have some influence in a practical way. Toss a cat up in the air in any position and it will come down on its feet. Let some of our most learned men be thrown off their feet and they are very apt to come down "like a thousand of brick." They can do but one thing, and they are helpless when deprived of a chance to do that one thing. Manual labor is often more remunerative than a wearisome effort in the so-called learned professions. Let the schools teach their students to be practical and to be content to do that which is nearest to them, and to believe that all honest employments are equally honorable. It is a mistake to continually hold before the children in the schools the idea that life is a competition for place and wealth.

THE SPOILSMAN IN THE SCHOOLS.

The pernicious practice of "local influence," which is followed with such determination in many localities, is discussed by a Pennsylvania paper, wherein the school board receives some sensible advice.

"In selecting new teachers the director should have an eye single to the public good and pay no heed to personal claims or the outside pressure of friends, political or otherwise. In too many cases the 'influence' an applicant for a school can summon, more than his or her own qualifications, determine an appointment. A ward leader, family and church power are often brought to bear upon directors to force them unwillingly to supplant a worthy applicant by an inferior one. Much of this is inevitable in all public institutions, the officials of which depend upon popular suffrage. But it can be reduced to a minimum, and should be, if directors have a proper conception of their duties and a regard for the public welfare. Neither personal favoritism or charity should have a voice in selecting the teacher who is to fashion the minds of children committed to her care.

In selecting teachers deference should be paid the opinion of the superintendent. Let more responsibility be placed upon him—making him responsible for the ability and character of his teaching force. If he abuses his position and shows too much personal favoritism, or any indeed, get a bolder, more independent and conscientious superintendent. In the great majority of cases a superintendent has fewer axes to grind than a whole board of directors. Surely, he should know more about the ability of a teacher than the board. It is for this purpose he is elected, and he is handicapped if shorn of half his means to make the schools efficient. The employing of teachers is a business affair. It should have no sentiment in it, compassion or personal friendship. Nature has no room for failures, and neither has the world of man in any relation of life. No merchant or banker employs a clerk simply because of the pressure outside parties bring to bear. He would soon tell them to mind their own business, as he purposed selecting an employe on account of his competency and not because he voted a certain ticket, was the friend of this man or belonged to that church. This is only plain common sense, and acting upon it the business world does not become bankrupt. Is not a child's mind of as much importance as good book keeping? The school board will please answer by the choice they make of teachers."



H. S. TARRELL MAKES A GEOGRAPHY.



AUTHOR OF MCGUFFEY'S READERS DEAD.



THE NEXT PRESIDENT OF THE N. E. A.



EDUCATIONAL MARBLE RESTORED.

Prof. Gilman in declining the superintendency of New York City, submitted the following to the Board of Education: Among the problems of paramount interest is the permanent separation of the public school system from the influences of parties, sects and personal preferments; how can old methods of instruction be improved and the training of the hand and eye be secured without the neglect of the printed page; how can morality and patriotism be promoted in schools that are governed by local self-government and are free from the control of all religious bodies; how may the different requirements of such diverse elements as constitute the population of a cosmopolitan city be supplied; what is the proper training for public school teachers? These and other problems will be solved in New York.

A St. Louis minister scored the school board of that city in the following manner: "Not one member has contributed an article to a periodical or shown the least interest in the subject of education. They do not even associate with educated men. One member can neither read nor write. He can barely scrawl his name. One habitually uses profane language in open meetings of the board. He is the man who said that if the Democrats got any representation in the election it would be over his dead body."

State superintendent Skinner says that out of the 30,000 teachers in the State of New York, 25,000 were women, and these women were training the boys and girls for citizenship. He says that as long as a woman does a man's work as a teacher, she ought to receive a man's pay.

The Philadelphia Ledger says that the subjects chosen for discussion by the

National School Board Convention to be held at Buffalo are live topics in every city of the United States.

Albert P. Marble, who was deposed from the superintendency at Omaha some time ago, has been appointed by the school board of Holyoke, Mass.

AMONG BOARDS OF EDUCATION.

Harvey, Ill. President Pettigrew of the school board, said at its June meeting: "We don't want any teacher who makes no enemies."

New Castle. The board of education took over 300 ballots before the final choice of superintendent was declared.

Brooklyn, N. Y. An objection was raised in permitting the English History to be taken up by the scholars before they become thoroughly proficient in American history, but no change was made.

Chicago. Board received a communication from the Chicago Typographical Union, urging the board to use the books of a local firm because it employs union labor.

Philadelphia. The board unanimously re-elected Henry W. Halliwell into his forty-ninth consecutive year of service as an official, into his twenty-seventh year as its secretary.

Pottsville, Pa. Major Levi Huber was elected president of the school board for the seventeenth consecutive term. He has been a member of the school board for thirty years.



HENRY P. EMERSON,
Superintendent of Schools, Buffalo, N. Y.

Detroit. The Committee on Supplies insists upon holding secret sessions.

Kansas City, Kan. A meeting of school boards was held. State Supt. Stanley spoke on "The School Board, Its Obligations to the Pupil, the Teacher and to the Public."

St. Paul. The board will forbid teachers from giving private instructions to pupils.

San Francisco. The board will abolish the granting medals to pupils. It is held that those who win the medals are those from whom no effort is necessary. Often the most deserving do not get them. Often they are the cause of jealousy and hard feeling. Often the recipients obtain them by cheating and sharp practice. Often those who do get them place no value upon them.

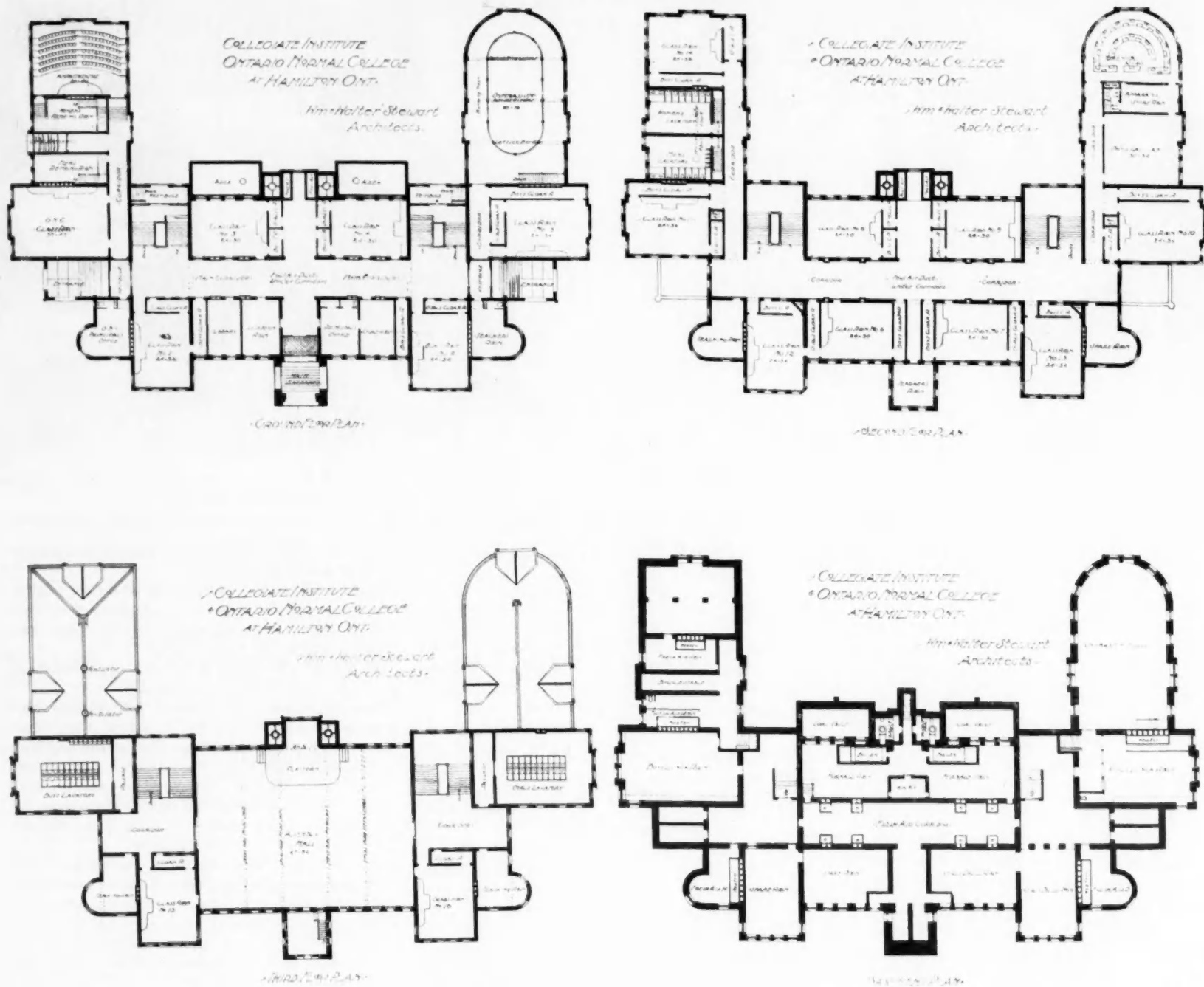
Boulder, Col. At a meeting of the school board the following resolutions were adopted: *Resolved*, that from this time forward, other things being equal, no married woman be employed as a teacher in the public schools of Boulder. This shall not be construed to apply to widows. *Resolved*, that from this time forward, this board will not employ any individual as a teacher who is not in good physical health.

Spokane, Wash. It is vigorously charged by the press that the board has dismissed teachers on religious grounds. The charge has remained unanswered.

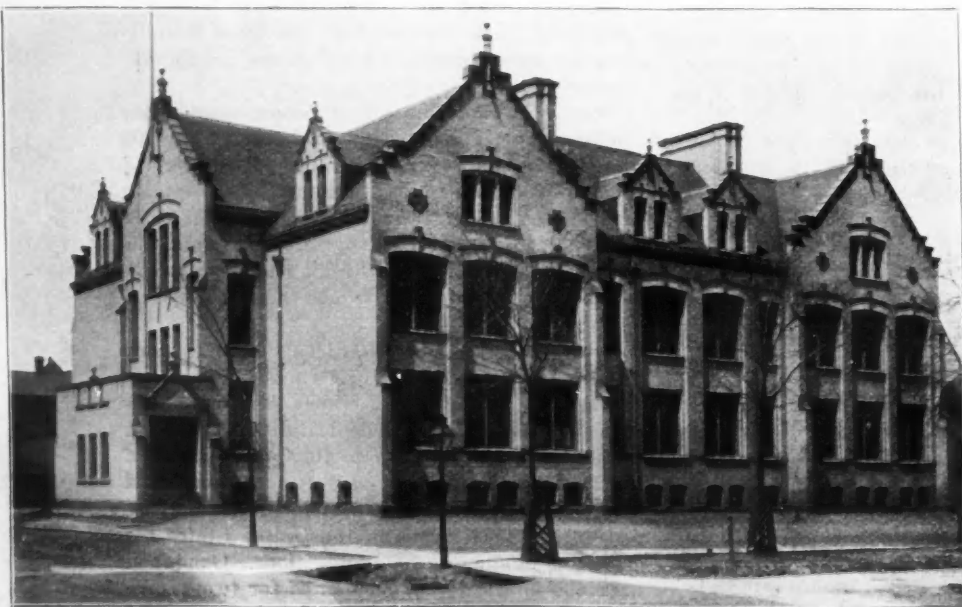
Chicago. The board adopted Rand-McNally's geography. The Werner, Frye and Rand-McNally primary geographies were placed on the supplementary list.

Boulder, Colo. The school board adopted the following resolutions: *Resolved*, That from this time forward, other things being equal, no married woman be employed as a teacher in the public schools of Boulder. This shall not be construed to apply to widows. *Resolved*, That from this time forward, this board will not employ any individual as a teacher who is not in good physical health."

Syracuse, N. Y. C. W. Bardeen has established a branch of his extensive eastern business in Los Angeles. Mr. Bardeen is widely known as the able director of the School Bulletin, in which have appeared from time to time descriptions of his foreign travels, made largely for educational observation. He also is proprietor of the largest pedagogical book house in the United States, his catalogue numbering 400 publications. Combined with the above he has conducted for twenty-five years the School Bulletin Teachers' agency and school supply department.



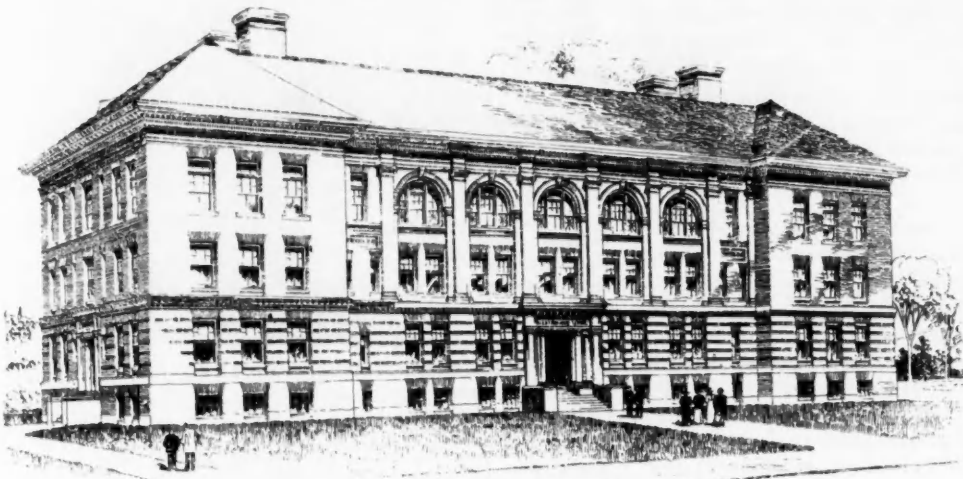
FLOOR PLANS, ONTARIO NORMAL COLLEGE.



NEW FIFTH DISTRICT PRIMARY SCHOOL, MILWAUKEE, WIS.



PUBLIC LIBRARY, MINNEAPOLIS, MINN.



NEW HIGH SCHOOL, MEDFORD, MASS.



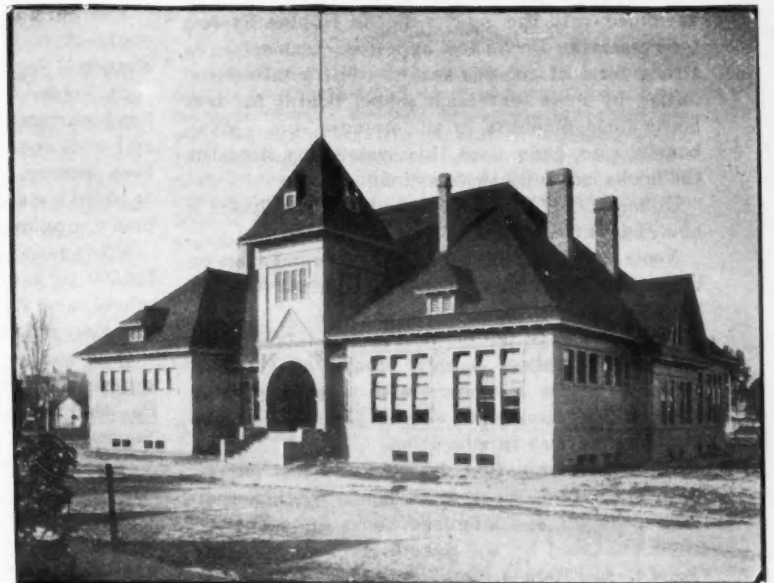
CENTRAL HIGH SCHOOL, PITTSBURGH, PA.



GIRLS' NORMAL SCHOOL, PHILADELPHIA, PA.



OAKLAND SCHOOL, PITTSBURGH, PA.



BOYD STREET, NEAR SAN PEDRO STREET. FIVE ROOMS.
Los Angeles, Cal.



TEMPLE AND CUSTER STREETS. TEN ROOMS.
Los Angeles, Cal.

SUPPLIES AND EQUIPMENTS.

Saginaw, Mich. It is proposed to adorn the bare walls of the public schools with works of art.

Olean, N. Y. Board has purchased a one horse ball and roller bearing Deering mower for mowing lawns about school buildings.

The American Writing Machine Co. has issued a neat catalogue describing the Caligraph Type-writer, styles of type used, etc.

The Goes Lithographing Co., of Chicago, has added a diploma department and will make all kinds of diplomas to order.

Salt Lake City. A contract was made with Rand, McNally & Co., to furnish five sets of physical maps, at \$30 per set.

Dover, N. H. School committee turned down the itinerant photographer.

Milwaukee, Wis. Board purchased several Remington typewriters for high school use.

J. L. Hammett & Co., the school supply firm of Boston, burned last month. The loss is about one-third on a \$25,000 stock. The firm has already replenished its stock, and is again in full running order.

On June 1st the Holden Patent Book Cover Co., Springfield, Mass., had orders on their books under process of manufacture for over 400,000 book covers. The growth of this business has been phenomenal and yet not surprising either, because it has been clearly demonstrated that the "Holden System for Preserving Books" makes them last about twice as long—an immense saving to free text book school boards.

The officials of the U. S. Bureau of Education, Department of the Interior, Washington, recently examined into the merits of the Holden System for Preserving Books and expressed themselves in strong terms of commendation. The total annual outlay by Free text book school boards for text books alone, amounts to an immense sum. Many boards who have used this system say it makes the books last fully twice as long.

Holmes, O. The school board has purchased a new chart known as the "New Education."

Xenia, O. The board spent \$300 to put flags on the school buildings. There is a great deal of fault found with the statute.

Ogdensburg, N. Y. E. W. Preston, representing the Central School Supply House of Chicago, appeared before the board with a series of relief maps, which have now won a place among the necessary devices in education.

Practice, examination, drawing and test papers, also legal and foolscap letterheads, writing, spelling, specimen and language books are manufactured and sold by the School and Office Supply Co., of Grand Rapids, Mich. Samples sent to those interested. Their prices are astonishingly low.

The Smith & White Manufacturing Co., of Holyoke, Mass., which has won fame in the school stationery line, has a printing plant in connection with its mills, and is prepared to furnish all kinds of regular school papers.

Among the school supply men and publishers who will be represented at Buffalo during the great conventions will be the firm of Peckham, Little & Co., whose members are popular with many school officials.

The Century School Supply Co. of Chicago, succeeds the firm of C. F. Rassweiler & Co., with S. J. Stewart as president, E. A. Neiberger, vice president, C. C. Marquerat, secretary, and C. F. Rassweiler, treasurer. The new company has bought the stock and good will of the late firm, including their Yaggy's geographical portfolio, Palestine portfolio, and their lithographic plates and engravings for these and other apparatus and books, and all designs either in use or in process of preparation by the old firm. A circular sent out by the new company states that customers and salesmen in the field will know no essential change in the character or personality of the organization. They will recognize familiar names among those of the officers of the company. Some of them have been associated with the old firm in its management

from the beginning. They will be as active in their endeavors to make the business a success in the future as in the past. The officers, who have all been in this business in Chicago in some responsible capacity for many years, will have associated with them in the office and in the field, some of the most active and successful school supply men in the country.

Chicago. Board of education has awarded the contract for the Olmsted artificial slate blackboards to the Standard School Furnishing Co., twenty-two room building, corner Fifty-fourth street and Ingleside avenue for \$1,187. For the twelve-room addition for the Scanlan school, \$638.40; also for the ten-room addition to the Everets and Sixty-first street school, and the twelve-room building to be erected on Eighty-ninth and Superior streets, nine-room addition to the school building Thirty-fifth and Wallace streets, four-room addition to the Oakridge school, four-room addition to the Manierre school. Also contracts have been awarded for the Olmsted artificial slate in the following cities: High school, Lockport, Ill., public school building, Lexington, Ill., Saybrook, Ill., Monroe, Wis., two buildings at Sparta, Wis., one building at Anderson, Ind., high school building, and two grammar schools at Kokomo, Ind., one building at Whitestown, Ind., Washington, Ind., Bradford, Ill., Oaktown, Ind., North Judson, Ind., Galesburg, Ill., two twelve-room buildings at Terre Haute, Ind. Likewise public school building at Duquesne, Pa., and three buildings at Pittsburgh, Pa., and a new high school building at Cincinnati, Ohio.

The Standard School Furnishing Co. received contracts from the Chicago board of education for Standard venetian blinds.

St. Louis. F. Weber & Co. have removed their headquarters to 709 Locust street, where larger and more commodious offices and salesrooms have been secured. The firm has built up a reputation on artist's materials, and engineer's and draughtsman's supplies.

Milwaukee. High school committee will expend \$10,000 to equip laboratories of West Side high school, also \$200 each for South Side high school, and East Side high school.

It is claimed for the *multum in parvo* school records, published by Charles B. Opp, Bethlehem, Pa., that they are most compact, convenient, and comprehensive.

The Oaxton Co., of Chicago, have, since our last issue, brought out a new series of charts on United States history and civil government, showing the development of the United States from the time when Columbus first kissed the soil of the new world, to the nomination of Major McKinley. It is replete with historical facts from the pen of Mr. Zellar, and is beautifully illustrated. We predict for this progressive firm a big sale for the new series. They also are on the eve of issuing another edition of the small map of Cuba, which has proved an excellent seller.

SCHOOL FURNITURE.

Elizabeth, N. J. Contract to seat a twenty-room building awarded to Haney School Furniture Co. Potter & Putnam, New York, agents.

Hasbrouck Heights, N. J. Contract awarded to the Haney School Furniture Co.

Elizabeth, N. J. There was a large delegation of furniture men in attendance at the meeting of the board of education. They presented their proposals for furnishing, including 1,800 desks, assembly-room chairs, teachers' desks, etc. The bidders were Looker & Ford, McManus Bros., and Joseph G. Ogden, Elizabeth, N. J.; Bobrick School Furniture Co., of Boston, Mass.; New Jersey School Furniture Co., Trenton; Haney School Furniture Co., New York; J. M. Sander & Co., Philadelphia; Hygienic School Furniture Co., New York; U. S. Furniture Co., New York; Chandler Adjustable Chair & Desk Co., Boston, and W. L. Starkey, of Paterson. The Haney Co. secured the contract.

Arlington, Mass. Has awarded the contract to seat its new six-room building to the Chandler Adjustable Chair & Desk Co., of 165 Devonshire street. Every seat and desk to be adjustable.

Canton, Mass. Also places its order for the reseating of the Hemmenway school (all adjustable) with the same company. Cranford, N. J. Miss Wing ordered the Bobrick desks and seats for her academy.

Malden, Mass. After a thorough and careful investigation of the many styles of adjustable school furniture to-day on the market, and after requesting sealed bids to be placed with the chairman of its committee for its new twelve-room high school, its new eight-room Lincoln school, and its new eight-room Linden school, on June 12th, at a public meeting, opened up the bids, and although the bid of the Chandler Adjustable Chair & Desk Co. was the highest, its goods were considered of so superior merit as to warrant the placing with it of the entire contract, all three buildings.

Guelph, Ont. Ordered the Bobrick desks and seats.

Raleigh, N. C. Ordered the Bobrick desks and seats.

North Easton, Mass. The magnificent \$100,000 high school building, built and presented to the town of North Easton, by ex-Governor Ames, of Massachusetts, is being equipped throughout with Bobrick furniture.

North Andover, Mass. Ordered the Bobrick furniture for the Johnson high school building.

Northampton, Mass. The committee on public property, by unanimous vote, awarded the contract for furnishing the new high school building to the Bobrick School Furniture Co., of Boston.

South Manchester, Conn. Will equip its new school building with the Bobrick desks and seats.

Easthampton, Mass. The school committee awarded the contract for furnishing the new eight-room school building to the Bobrick School Furniture Co., of Boston.

Tilton, N. H. Awarded the contract for furniture to the Bobrick School Furniture Co., of Boston.

Monmouth, Me. Awarded the contract for furniture to the Bobrick School Furniture Co., of Boston.

Baltimore, Md. The report of Dr. Hiram Woods, Jr., and Herbert Harlan, who were selected to examine the eyes of the pupils in the public schools, was read to the board. Of the 53,067 children examined, in 9,051 vision was so poor as to demand investigation. In the opinion of the oculists the new schools, and, as rapidly as possible, the old ones, should be provided with adjustable desks. Children's height should be measured and seat and desk height should be regulated in proportion to leg and body height. While care is certainly exercised by some of the teachers in seating the children and rooms contain desks of an average size, according to grade, there seems to be no fixed rule regarding distance of the seat from the desk, proportionate height of each, or width of seat. The report concludes that the experimental year has led the physicians to believe that the visual examination by teachers should be made yearly in the second to eighth grade, inclusive. Failure to reach the standard or deterioration from a previous year should be reported to parents and they should be advised to consult oculists.

Oshkosh, Wis. The Chandler Adjustable desks and seats were selected.

Athens, O. Mr. Hudson, of the Hudson School Furniture Co., who has been located at Chicago, has given up his offices and gone back to Athens.

New York, N. Y. Board awarded a contract for school furniture to the Richmond School Furniture Co.

Syracuse, N. Y. Randolph McNutt secured a contract to furnish 416 desks for Tompkin's school.

The Oak desks, manufactured by the Standard School Furnishing Co., of Chicago, have been placed in a number of schools recently. A few of the cities are as follows: Monroe, Wis., Lorton, Neb., Mankato, Janesville, and Becker, Minn., Watson, Ill., Turin and Otto, Ia., Medinak, N. Dakota, Watson, and Tarkio, Mo.

Winsted, Conn., has adopted the Chandler adjustable school furniture and sent in its order for one hundred sets.

Worcester, Mass. After a many years' trial in many of its school buildings of the various styles of adjustable furniture, has placed its order for 2,064 sets, with the Chandler Adjustable Chair and Desk Co., 165 Devonshire street, Boston, thus showing its idea as to which is of superior merit. Worcester is the second largest city in the state of Massachusetts, and the adoption of the Chandler furniture in such large quantities will be an incentive to the adoption of these goods by the smaller cities and towns throughout New England.

Brooklyn, N. Y. The Truant school will be fitted throughout with the Chandler adjustable school furniture.

Pawtucket, R. I. The magnificent new high school building will be fitted throughout with the Chandler furniture.

Somerville, Mass. The large new twelve-room building, named in honor of ex-Mayor William H. Hodgkins, will be fitted throughout with the Chandler furniture, some 650 sets.

Oshkosh, Wis., last but not least, located in the center of the old style combination furniture manufacturers' country, has placed its order with the Chandler Adjustable Chair & Desk Co., for their latest adjustable school furniture for its new high school.

Holland, Mich. The West Michigan Seating Co. will have their plant in full operation by August 1. They already have a number of orders on hand, and will unquestionably do a good business.

Proposals Wanted.

Cleveland, O. Sealed proposals will be received at the office of the clerk of the board of education, 190 Euclid Ave., until 12:00 o'clock noon, July 18, for furnishing the school desks and seats, and both stationary and adjustable table settees, teachers' desks and other furniture needed to completely furnish the Barkwill and Willard school buildings and the annex to the Clark school building. Bond \$1,000. H. O. Sargent, school director.



J. W. McClymonds,
City Supt. Schools,
Oakland, Cal.

HEATING AND VENTILATING.

Yonkers, N. Y. The heating, ventilation and sanitation contracts were awarded to T. C. Northcott.

Monroe, Ia. Board contracted with the Phelps Ideal Steam Heat Co., of Oskaloosa, Ia., for putting in heating apparatus for the school building.

Fort Dodge, Ia. Board decided to put in the Fuller & Warren heating and ventilating apparatus in the West Side School.

The American Boiler Co. has issued a handsome book on Non-Drip Va'ves, showing illustrations of this improvement, giving list of sizes, prices, etc.

Minneapolis. In the long drawn out contest over a school house heating contract, in which the Sturtevant Company figured prominently, and which led to an investigation on a bribery charge, the result turned in favor of a local firm. The Sturtevant Company was turned down.

Toledo. The board has been enjoined by legal process from awarding contract to Isaac D. Smead. The board entered a demurrer which was sustained.

Galesburg, Ill. Mr. Cushing a representative of the Johnson Temperature Regulating Co., made a statement of the points of the thermostat. In St. Paul two schools were reported, one having the regulator and one not, showed in two years a saving of coal of \$339 for the room having the regulator. The board then contracted for the Johnson system.

Beatrice, Neb. A resolution was adopted ordering the removal of the Smead dry closet from the Glenover school building.

The following schools have contracted for the Johnson system of heat regulation: New high school, Sparta, Wis.; Thirty-seventh ward school, Pittsburg, Pa.; State Normal school, West Superior, Wis.

West Springfield, Mass. The Fuller & Warren Warming and Ventilating Co. were given the contract for repairs on the Meadow Street School.

Salem, O. The heating and ventilating contract went to Isaac D. Smead, of Toledo.

Toledo. The contract for heating the new Auburndale School was awarded to Isaac D. Smead.

Kinton, O. The Peck-Williamson Co. of Cincinnati, placed a new engine in one of the schools.

Flint, Mich. Isaac D. Smead, of Toledo, O., through his representative, W. A. Clark, made arrangements to furnish the board of education with heating apparatus for the new additions to the Stevenson and Harrison school buildings.

The Fuller & Warren Warming and Ventilating Co., of Chicago, has doubled its business over last year. The increased demand for their system is only natural when its merits are understood.

The Heating firm of Huyett & Smith, of Detroit, has been changed to the American Blower Co. This company is making a specialty of school house heating and ventilation.

The Peck-Williamson Heating and Ventilating Co., of Cincinnati, O., is busy both in the East and in the West equipping new school houses with their system. The company has a large number of contracts on hand.

Green Bay, Wis. The board of education have just closed another contract with the Fuller & Warren Warming and Ventilating Co. for heating, ventilation, and cremating closets in their new eight-room school building.

Grand Rapids, Wis. The board of education have also contracted for the Fuller & Warren warming, ventilation, and sanitary closet system.

The Fuller & Warren system of warming, ventilation, etc., goes into the Thirty-seventh ward school building at Pittsburg, Pa., and has also been adopted for a school at Erie, Pa., McKees Rock, Pa., and Moundsville, W. V.

Boston, Mass. The Fuller & Warren system has been adopted for the Thetford avenue school, and also the Beech street school. In addition the Fuller & Warren Warming & Ventilating Co. have entered into contracts to install their system in schools in the following cities in Massachusetts: two at Everett, two at Quincy, three at Worcester, one at Brockton, one at Stoughton, one at Northbridge, one at North Adams, one at Hyannis, and one at Wayland.

Over 150 cities in Massachusetts are now using the Fuller & Warren system. This is largely due to the high standard of sanitation this system embraces, fully complying as it does, with the stringent requirements of the Massachusetts statistics for enforcing proper ventilation and sanitation.

Torrington and Southington, Conn., Bellows Falls, Vt., Woodhaven, N. Y., and East Orange, N. J. have recently contracted with the Fuller & Warren Warming and Ventilating Co. for their system of heating, ventilation, etc.

Baltimore, Md. School No. 4 will have the sanitary advantages of the Fuller & Warren system of warming, ventilation, etc.

A NEW ENTERPRISE.

The Fuller Anatomical Co. has been organized at Grand Rapids, Mich., with a capital stock of \$50,000. The company will manufacture all kinds of apparatus for object teaching in the study of physiology, anatomy, and natural history.

The stockholders elected the following directors: Dr. William Fuller, Prof. W. W. Chalmers, William Dunham, Allan Durfee, W. R. Jewett, Dr. Louis Barth, and Reuben Hatch. The officers chosen were: President, Prof. W. W. Chalmers; vice president, William Dunham; secretary, Dr. Louis Barth; treasurer, Allan Durfee. The number of shares was placed at 5,000, valued at \$10 each.

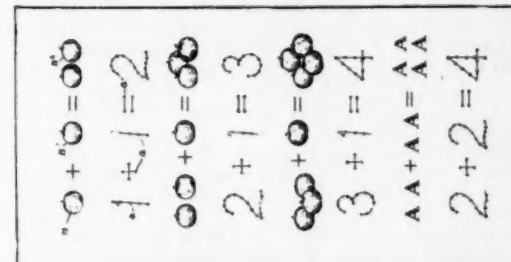
The idea of the organization of the company originated with Dr. William Fuller, who is an authority on the subject. A short time ago he got up a model of the human brain, which could be used in studying the interior of that organ by removing sections of the model, piece by piece. This is the first company organized in the United States for the manufacture of apparatus of this character. There is but one other company in the world, and that is in Germany. The use of apparatus of this character is universal, and the demand for the goods is great. The German firm at present has the field all to itself and the prices charged for the apparatus are very high, small pieces representing portions of the human body selling for \$50. It is the intention of the company to manufacture the goods at a reduced price.

"Cactus" is a queer name to give to a pneumatic tire, and the thought of cactus punctures sends a chill over the wheel-man, for the reason that among the cacti, punctures are very common. Morgan & Wright, Chicago, the makers of "good tires" have gotten out what they term a "cactus" tire, which has been designed with a view of withstanding the attacks of the cactus and mesquite thorns which give so much trouble to the wheel-men of Texas and other thorny sections.

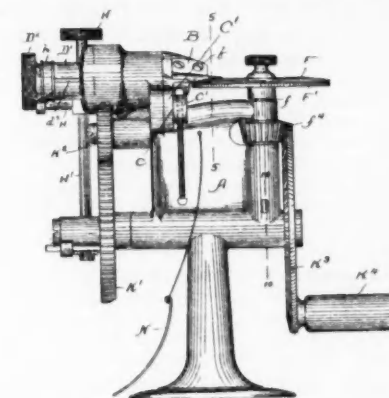
Milford, Mass. After trying the Chandler furniture for the past year thoroughly in its new four room building sends them a duplicate order for 200 seats, and throws away the old style stationary furniture.

NEW INVENTIONS.

EDUCATIONAL APPLIANCE. Sadie P. Barnard, Rochester, New York.

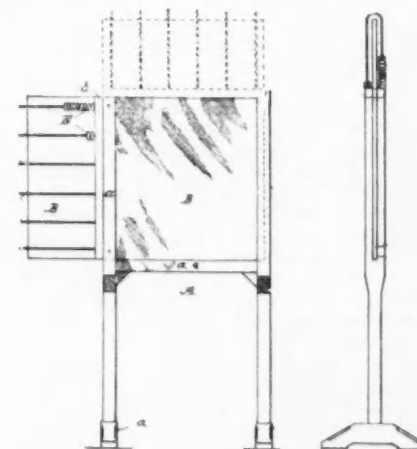


As an educational appliance for teaching numbers, a card or similar surface capable of being punctured, and having pictorial representations of objects and groups of objects thereon with algebraic signs between them, and a series of numerals stamped or printed thereon indicating the number of the objects pictorially represented corresponding in position and having corresponding algebraic signs between them, said numerals being provided with perforating indications marked thereon, so that threads drawn through them will follow the lines of the numerals. PENCIL SHARPENER. Peter E. Salin, Chicago, Ill.



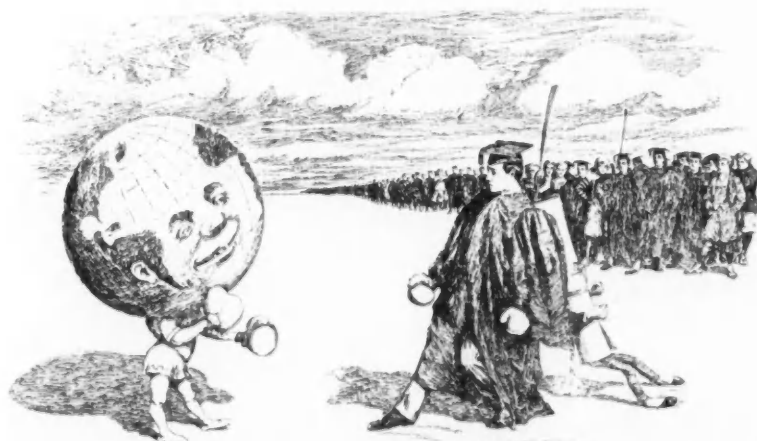
In a pencil-sharpener, the combination with knife B, of rotating pencil-holder or chuck D, reciprocating and rotating chuck-sleeve D', feed-rack H, arm h connecting said feed-rack and chuck-sleeve D', feed-shaft H' furnished with a gear meshing with said feed-rack H, the driving-shaft, a worm-gear connecting the feed-shaft and driving-shaft, the lower end of the feed-shaft being mounted movably, and a lever or device for throwing the worm-gear in and out of engagement.

ARITHMETICAL APPARATUS. Herman Rödelsperger, Manchester, N. H.



An apparatus for the purpose described, consisting of slotted uprights, an oblong blackboard adapted to rest in said slots in the uprights with its length either horizontal or vertical, the projecting end of said board being provided with cleats extending across its opposite sides, a series of wires secured to said cleats and running from one to the other around the projecting end of the board, beads or buttons loosely mounted upon the wires, and means for fastening the reversible board in the slotted upright.

The Holden Patent Book Cover Co., of Springfield, Mass., are running their factory over time, filling advance orders for their adjustable book covers, etc. Nearly all school boards furnishing free text-books now place their book cover order in June and July, so that there will be no delay, and books will all be ready for redistribution among pupils Sept. 1st, fresh and clean, and thoroughly protected from wear and tear for another school year. Samples and information sent free. Holden Patent Book Cover Co., Springfield, Mass.



"Now, Young Man, I may look small to you, but remember, I have knocked out bigger men, and without much trouble." —Life.

BOOK REVIEWS.

HORACE MANN, THE EDUCATOR. By Albert E. Winship. Cloth; 101 pp. New England Publishing Co., Boston.

"The Life and Works of Horace Mann," in five volumes, is beyond the reach of the great mass of common school teachers. This book is a condensed statement of the life and services of this pioneer and reformer in the work and methods of the public schools. He did not find an easy path before him. Severe attacks were made upon him. The substance of these controversies is given here, with Mr. Mann's rejoinders. His wonderful courage in facing prejudices when he felt sure that he was right ought to be an inspiration to all who are in places of public responsibility. He made mistakes and suffered for them. A knowledge of these also will be beneficial to men in public positions. The evolution of the schools has been a process that all teachers need to understand, and the appearance of this little book will be welcomed by them. W. H. B.

THE STORY OF OUR COUNTRY. By Alma Holman Burton. Cloth; 240 pp. Werner School Book Co.

A primary history of the United States, interestingly written and well illustrated. A few errors occur. The story of Jefferson's simplicity in riding on horseback to his inauguration and hitching his horse to a picket fence is not true. Garfield did not serve in the Mexican war, nor did he take his seat in the United States senate. After the civil war the southern states did not come back into the union. It was not admitted that they had ever been out of the union.

THE VICAR OF WAKEFIELD. By Oliver Goldsmith. Boards; 207 pp., 35c. American Book Co., Cincinnati, New York, Chicago.

A new number of the eclectic English classic series. An introduction contains a sketch of the author's life, and opinions of eminent authorities on this favorite among stories of English life. Thackeray, Scott, and Goethe, have voiced the universal opinion as to its charming style and the beautiful influence on all who have read it.

TRAUMEREIEN AN FRANZÖSISCHEN KÄMINEN. By Richard Von Volkman Leander. Edited for School Use By Amalie Hanstein. Price 35c. Published by American Book Co., New York, Cincinnati, Chicago.

These tales were originally written for the author's own children, hence they are well adapted as reading matter for young pupils. They give us a clear insight into the atmosphere of German lore,—so rich in tradition, superstition, and naïf beliefs. F. L.

HERR OMNIA. By Henry Seidel. Edited for School Use by J. Matthewman. Published by American Book Co., New York, Cincinnati, Chicago.

The publishers have added another volume to their series of choice and easy readings in the German language. "Herr Omnia" mirrors forth its author's style, which is pure and simple. A vein of gentle humor that pervades it, renders it peculiarly adapted for school use. Assistance is given the student by way of a partial vocabulary and foot-notes, without, however, affording unnecessary aid. Teachers and students of the German language should examine this book. F. L.

PARADISE LOST (Books I and II). By John Milton. Published by American Book Co., New York, Cincinnati, and Chicago. Price 20c.

Among the English classics that the publishers have given to students of literature, none, perhaps, will be so welcomed as that grand epic—"Paradise Lost." This work has immortalized Milton. In it, he shows himself a more perfect master in style than our divine poet—Shakespeare. The "idea" of this poem springs from the pure fountains of Homeric songs, thence its stream can be traced to Virgil and Dante, and finally a hardy Saxon gives it renewed vigor by a happy union of the grand epic of the bard of balmy Greece, with that of the bard of sunny Italy. The result of this combination is a loftiness and majesty of expression. The two pervade its every page and go to make his writings what they are—standards of good English. F. L.

STORIES FROM AULUS GELLIUS. Edited for Sight-Reading. By Charles Knapp, Ph.D. Published by the American Book Co., New York, Cincinnati, and Chicago. Price 30c.

This book is intended for students who have already mastered the fundamental principals of Latin syntax to a fair degree. It has been the aim of the author to afford sufficient assistance, by means of notes, to enable students to read the selections as rapidly and intelligently as possible. It is well adapted as a supplementary reader in the Latin language. Besides affording discipline, it will be a veritable "encyclopedia," containing subjects in grammar, literature, rhetoric, history, and philosophy. F. L.

THE HOUSE OF THE SEVEN GABLES. By Nathaniel Hawthorne, with an introductory sketch. The Riverside Series (quadruple number). Published by Houghton, Mifflin & Co., Boston, New York, Chicago. Price 60c.

The volume forms a valuable addition to the Riverside Literature Series, which must be considered one of the most substantial, supplementary reading collections now extant. The merit of Hawthorne's work needs no mention here. It has been treated by abler pens than our own, and the result always has been a tribute to the author's mastery of the English language, his fine touch of romancery, and powers of description.

FIRST GERMAN BOOK (Illustrated). The Werner Modern Language Series. By M. J. Martin, A.M. Published by Werner Co., Chicago and New York. Cloth; Price 30c. This is the first of a series of four German books. The

plan therein followed is both natural and progressive. The subject-matter is developed inductively. There are many features in this book which are novel and unique, and which mark it as a book of superior merit. The book is sufficiently exhaustive to serve all the wants of those learning the German language. It is to be hoped that teachers of German will give this book a careful consideration. F. L.

STUDIES IN EDUCATION. By B. A. Hinsdale, Ph.D., LL.D. Published by the Werner School Book Co., Chicago and New York.

A new and tasty publication, bearing the above named title, has reached us. It is from the able pen of Prof. B. A. Hinsdale, one of the most prominent educators of to-day. The book may be classified under three main headings, viz., Science, Art, and History. The book is quite exhaustive, and no educational topic of any moment, has escaped the author's notice. The Dogma of Formal Discipline, The Laws of Mental Congruence, together with discussions on History Teaching in the Public Schools, The Science and Art of Teaching, and sundry other chapters to interest and instruct the reader. The author has generously dedicated this volume to the N. E. A., and it ought to receive a hearty welcome on the part of every progressive teacher. It should be a "vade mecum" to all who have the welfare of education at heart. Readers of the JOURNAL will act wisely by getting a copy of this excellent book at an early date. F. L.

OLD TIME STORIES. Fairy Tales and Myths Retold by Children. A Primary Reader by E. Louisa Smythe. Published by the Werner School Book Co., Chicago and New York. Price 30c.

The author tells in simple words, and with the aid of colored and white and black illustrations, about the early heroes handed down to us in song and story, thus creating a love for literature at an early age in life. Her aim to fit the minds and hearts of small pupils has been successfully carried out and the little volume will assume a fixed place among school supplementaries and in juvenile literature. The work is well worthy the attention of all those interested in primary work.

ELLSWORTH'S KINDERGARTEN AND PRIMARY COPY BOOKS. The Werner Co., Chicago, New York.

A series of books carefully prepared for printing, drawing, and vertical writing. They are reversible and conveniently ruled.

DEFÖE'S HISTORY OF THE GREAT PLAGUE IN LONDON. By Daniel Defoe. Published by Ginn & Co., Boston, New York, Chicago.

The author of Robinson Crusoe fame needs no introduction to the English speaking people. Daniel Defoe's writings are the best samples of the Seventeenth century literature and is read by the student of literature, not so much for embellishment in her Majesty's language, as to find the status of our language two centuries ago. This volume gives the history of the Great Plague of London, which occurred in 1665. It must be admitted, however, that this work deserves to be classed among the works of fiction rather than history pure and simple. Every student of literature should read this work, if not for the matter, at least for the style which is representative of our language of two hundred years ago. F. L.

THE PLUTUS OF ARISTOPHANES, With Notes in Greek, Based on the Scholia. Edited by Frank W. Nicolson, A.M. Published by Ginn & Co., Boston. Price 90c.

This edition of the Plutus is designed to afford practice in sight-reading to students who have already mastered the elements of Greek syntax. Notes are to be found at the foot of each page, thus giving the reader all necessary assistance. This play is divided into five acts. The illustrations, though having no direct connection with the Plutus, serve to illustrate the costumes and some of the situations of the play—a fact by no means to be overlooked. Students of Greek ought to read this book, for it is evident that dramatic literature is the form best suited for the expression of one's ideas, and the colloquial knowledge of a language can more easily be attained by the reading of plays than through any other form of literature. F. L.

IMMENSEE. By Theo. Sturm. Edited With Notes and a Vocabulary by H. S. Beresford-Webb. Published by Maynard, Merrill & Co., New York.

This is a popular idyll of Theo. Sturm, a German writer celebrated for the large number of poems and novellettes he wrote. Immensee, first published in 1852, has reached its thirty-ninth edition. The author's description of the surroundings are vivid and picturesque; his style is simple and charming. Apart from these considerations the publishers have endeavored to unite the useful with the attractive, by the addition of notes and a vocabulary. Students of the German language ought to be familiar with this masterpiece of so prominent a writer as Theo. Sturm. F. L.

BOW-WOW AND MEW-MEW. By Georgiana M. Craik.

THE NÜRNBERG STOVE. By Ouida.

ALICE IN WONDERLAND. By Lewis Carroll.

A WONDER BOOK. By Nathaniel Hawthorne. Paper; 72 to 96 pp., 12c. each. Maynard, Merrill & Co., New York, Chicago.

Four numbers in the English classic series. The first is an interesting, illustrated story of a dog and a cat, great friends with an occasional spat, dissatisfied with their lot, running away from home, and after various experiences finding their way back home. A stove, an heirloom in a German family, has a pathetic history; sold to meet urgent necessities, but finally finding its way to the palace of a king and bringing fortune to its former owners. Alice in Wonder-

land is a sort of a half fairy, absurd thing, with ridiculous pictures. The Wonder Book contains the well known stories—Gorgon's Head, Golden Torch, and Three Golden Apples.

LEGENDS OF GERMAN HEROES OF THE MIDDLE AGES. By Prof. Johannes Schrammen. Published by Maynard, Merrill & Co., New York. Cloth; price 40c.

These tales are admirably suited for junior students who require an easy stepping-stone to the German language. The language used is simple and the subject-matter interesting. Bright pictures of the customs and doughty deeds of our common ancestors of the English and German nations are presented to our view. In these tales the reader will find that the human heart has ever been swayed by the same passions—irascible and amorous. We hope that this volume will find its way into the hands of every student of the German language.

METHODS IN PRIMARY READING. By Sara A. Saunders. Flexible cloth; 39 pp. Educational Gazette Co., Rochester. Price 25c.

An experienced primary teacher explains the "combination method" of teaching reading, with many helpful suggestions. A sound chart is added.

EVOLUTION IN ART. By Alfred C. Haddon. Published by Walter Scott, London. Imported by Charles Scribner's Sons, New York. Price \$1.25.

In a brief introduction on evolution in art, the author gives his reasons for confining himself largely to the art of savage peoples. He chooses those of the islands of Torres Straits and Dandai, the Fly river, the Papuan gulf, the Central and Massim districts,—all parts of British New Guinea. Some notes follow on the relation of decorative art to the ethnology of British New Guinea, and on the scroll design of the country. The material of which patterns are made is then discussed somewhat at length, under two chief divisions. 1. Decorative transformation and transference of artificial objects. 2. Decorative transformation of natural objects. Chapters on the reasons for which objects are decorated, and on the scientific way of studying decorative art, with several well printed plates, and a full index, complete this work, which is a mint of out-of-the-way research. Many authorities are given, both in text and foot-notes. Numerous prints of patterns, many from "rubblings" of the article decorated, add to the interest and value of this book to the student of the beginnings of design. While this volume is not a text-book for primary and secondary schools, teachers in these schools will find many a hint and suggestion in this account of the varied applications and gradual development of rudimentary ideas in art. The subject is approached from a scientific standpoint. "Evolution in Art" is distinctly educational, and shows the high standard of the works imported by Charles Scribner's Sons. S. T. L.

BOOKS RECEIVED.

The Story of Our Country. A primary history of the United States. By Alma Holman Burton. Published by the Werner Co., Chicago.

Spanish Rule in Cuba, Laws Governing the Island, Spanish Legislation at Washington.

Lincoln's Campaign, or the Political Revolution of 1860. By Osborn H. Oldroyd. Published by Laird & Lee, Chicago. Price 75c.

Cconciliation With the American Colonies. By Edmund Burke. Published by the American Book Co., New York.

The Life of Nelson. By Robert Southey. Published by the American Book Co., New York.

The last of the Mohicans, or A Narrative of 1757. By Jas. Fenimore Cooper. Published by Houghton, Mifflin & Co. Price 60c.

Ideal Music Course, Primary Book. By J. A. Sprenkel. Published by R. L. Myers & Co., Harrisburg, Pa. Price 35c.

Ideal Music Course, Advanced Book. By J. A. Sprenkel. Published by R. L. Myers & Co., Harrisburg, Pa.

MAGAZINES RECEIVED.

The Arena for June. Published by the Arena Publishing Co., Boston. Price 25c.

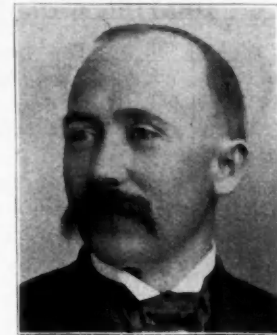
Lippincott's Magazine for June. Published by J. B. Lippincott & Co., Philadelphia. Price 25c.

McClure's Magazine for June. Published by the S. S. McClure Co., New York. Price 10c.

The Monthly Illustrator and Home and Country for June. Published by the Monthly Illustrator Publishing Co., New York. Price 20c.

Educational Review for June. Published by Henry Holt & Co., New York. Price 35c.

(Continued on Subsequent pages.)



JAS. A. DIFFENBAUGH,
Mem. State Board of Ed.,
Baltimore, Md.



Absent-Minded Again.

What the professor's wife, who during a brief absence entrusted the baby to her husband's care, found.

A Little Lad's Query.

A South Chester, Pa., school teacher was explaining the earth's surface to a class, using a globe in the demonstration. She called the pupils' attention to the fact that the people lived on the crust. One little lad in the class wanted to know if God and the angels were on the inside.

"Got a highly laudatory letter from Statesman Barks in response to our present of a copy of a dictionary," said the secretary.

"Good," said the publisher. "Have a lithograph copy of it made and print it in every paper in his district."

"Can't do it. He has misspelled four words."

Among the answers given by certain Chicago school pupils recently in an examination, were the following: "New York was settled by the duck of York, and Pennsylvania by the English Quackers;" "The earth is a sphere, because, if it were flat we would fall off the end of it if we walked that way;" "The Declaration of Independence was a document drawn up by Abraham Lincoln at the close of the Revolutionary War, giving freedom to the negroes."

One of the primary teachers at Helena, Mont., was recently teaching a lesson in spelling. On the board she had the word "syrup." "Now, Billie," said she, "name the letters as I point to them—s-y-r-u-p. Now, my little man, what does that spell?" "Molasses," came the prompt reply.



SCHOOLMISTRESS:—"Now, Ellen, tell us something about the North Pole."

STUDENT:—"The Arctic regions are used exclusively for exploring purposes."

FOREIGN HUMOR.

Vater: So spät am Tag finde ich Dich noch im Bette? Und Du schreibst mir, Du besuchtest fleißig das Colleg?

Sohn: Das habe ich gestern leider zuviel gethan.

Vater: Wie so?

Sohn: Ich war nicht nur in einem Colleg, sondern sogar in einem Kreise von Collegien!

IN CAMPAGNA. La signora, mentre fa colazione, si commuove ascoltando il canto di un usignolo.

"Oh! come vorrei avere quel uccellino delizioso!"

Il barone di Guascogna impugna il fucile ed esclama: "Non dubitate, signora, fra due minuti l'avrete ai vostri piedi."

Der Lehrer eines Dorfes hat, von einer besorgten Mutter folgendes Schreiben erhalten: „Geachteter Herr, Bitte Meta mit die Lehre Strenger zu nehmen. In Hause lernen ist Sie nicht bei zu kriechen den Heult und Brilb sie für Gewalt, die Bücher versteckt sie, das man sie nicht finden Tuht. Und Lügen, Erste Klasse, So Lüttesch und Eigensinnig wie sie ist. Ich kann mit Gutem und mit Bösen kommen. Bitte Tuhen Sie es Heute Ihr nicht zu wissen den ich habe ihr gesagt der Zettel Sollte nicht Ihr Gelten, Sondern Georg Sonstt Rahm sie den Zettel nicht mit.“

IL MENDICO NOTTURNO. Bellorini abita in vicinanza della stazione ferroviaria. Una notte viene destato da ripetuti colpi che si battono alla sua porta. Egli si fa alla finestra e domanda chi.

"Fate un po' di carità," gli si risponde con una voce melliflua.

"Come!" esclama inviperito Bellorini, "venite a chiedere l'elemosina a quest ora?"

"Eh! mi perdoni: sono giunto col diretto in questo momento."—Motto per Ridere.

Lehrer: Ja, Franzl ist sonst ein recht braver Junge, nur die Rechtschreibung will er noch immer nicht begreifen!

Vater: Ach was—unser Herrgott sieht auf's Herz und nicht auf die Orthographie!

PAGARE SUBITO O.—A Barr, in Alsazia, abita in fotografo col quale non si scherza. Egli espone nella mostra i ritratti dei debitori più induriti colla testa in giù, con attaccato un biglietto, su cui sta scritto: "Non pagato." Soltanto dopo pagato l'ultimo centesimo, i poveri debitori vengono liberati da quella penosa posizione in effigie.

Teacher: "Willie what is dust?"

Willie: "Mud with the wet squeezed out."

SCHOOL

BY THE THE BOY.

For my part, I am unable to understand why I am obliged to go to school. Seems to me, if I was let alone, I could pick up a living somehow, and have a good time while I am young. I am not especially interested in mathematics, geography, geology, zoology, or psychology. Writing hump-backed or perpendicular has no charms for me. I can pick up writing any time. Other men pick up things as they go along life's rough and rugged road. I know a blind man who can write with his toes. He looks funny when he writes his order for his dinner from the "cart doo joor." This is not French. I have not studied French. I hate Latin. Its all Greek to me.

We have co-education in our town, and the girls learn the most. It goes without saying that the boys have the most fun, except when the teacher is having fun with the boys. In our school we don't knock out the panes of glass with small round stones, or pieces of brick. We only write our names on them with our diamond rings, so that when we become senators or presidents, or millionaires, visitors may know of our humble origin and early worthlessness. Diamond is the hardest substance. This I learned from my copy book. But I know some boys not a thousand miles from here harder than that. They are tough nuts.—C. W. JOHNSON.



Empty.

PROFESSOR RAY (after a vain search, musingly): "How shall I break it to him?" Judge.

A lady teacher recently told the SCHOOL BOARD JOURNAL man the following incident that occurred in her department: The young lady, in speaking of royalty, asked a class of little tots what the wife of a king was called? They decided upon queen. She then asked what the son of a king and queen was called, and a bright little codger, who was up to snuff, replied Jack. Wonder who told him.

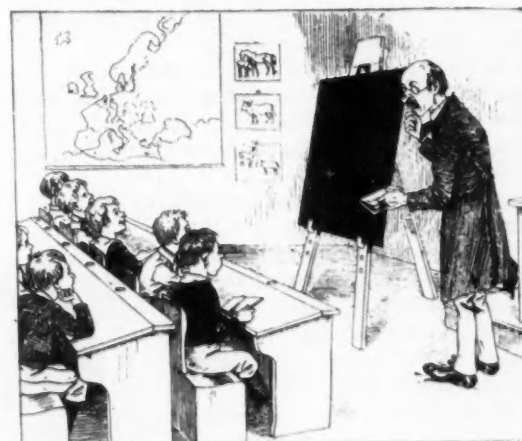
A small boy in the primary department of the Tekonsha, Mich., school caused no little excitement among his playmates by distributing \$5 bills among them. The youngster had discovered the place where his father kept his hoarded wealth, and was distributing it like a prince until stopped by his teacher.

It Looked Suspicious.

Bobbs (of the firm of Bobbs and Nobbs): Why did you countermand your order for those fountain pens?

Nobbs: The agent took down my order with a lead pencil.

"Have you written your graduation essay?" asked Maud. "Yes," replied Mamie. "Wasn't it a lot of work?" "Just dreadful. First I had to hunt up words that were big enough and then I had to keep looking in the dictionary to see what they meant; and, honestly, I began to think I never would get it finished."



Mental Arithmetic.

"If beer were fourpence a quart, and your father sent you to a public-house to buy a shilling's worth, how many quarts would you get?"

"Two, sir."

"Only two? How do you make that out?"

"'Cos there's a quart over from last night wot we ain't paid for!"



AMONG PUBLISHERS AND AGENTS.

William Ivison, brother of Henry Ivison, one of the last of the old time publishers, and a member of the school-book house of Ivison, Blakeman, Taylor & Co., died May 30th in his room at the Hoffman House. He was eighty-four years old. Since the death of his wife a year ago Mr. Ivison had been in feeble health, but not until recently was he seized with his final illness. For many years Wm. Ivison took an active part in the printing for the great educational publishing house founded by Henry Ivison, but on the death of the latter ten years ago he gave up work. Since then he had lived in close retirement.

The printed matter issued by the Werner School Book Co. of Chicago, presents remarkable taste in arrangement and display. Modern ideas are employed.

L. J. Lively, now with the Werner School Book Co., was at one time with the Standard School Book Co. of St. Louis, representing them in southern Illinois—afterwards Illinois representative of D. Appleton & Co., and manager of Chicago office for that firm.

J. N. Patrick, the late superintendent of Streator, Ill., is an old-time book man. He was connected with the old firm of A. S. Barnes & Co., and represented them in Missouri, with headquarters at St. Louis. While there he founded the Standard School Book Co., who purchased a duplicate set of plates of the Bancroft readers, which had been made for use in California. A young man named Thompson who held the financial destinies of the concern in his hands absconded. Mr. Patrick, who was then the manager and secretary of the company, resigned. A man named A. B. Chapman succeeded him.

E. G. Putnam, the recently elected principal of the schools of Port Richmond, N. J., is not a dealer in school books nor does he reside in Port Richmond, as reported. Mr. E. G. Putnam is a brother of W. H. Putnam, of the firm of Potter & Putnam, educational publishers, of 63 Fifth avenue, New York City.

W. F. Murray, who was formerly with W. B. Harison, is now with D. C. Heath & Co.

B. D. Berry, northwestern agent for Silver, Burdett & Co., has prepared and published a chart outlining a complete course in reading, based on the Normal readers and certain supplementary books. The chart is ingenious, and the author deserves considerable credit.

At the Randolph, N. C., book contest the American Book Co. was represented by Wm. C. Hamner, the University Publishing Co. by Wiley Rush, Ginn & Co., by G. S. Bradshaw, and B. F. Johnson & Co. by O. L. Sapp.

C. H. Ames, of Boston, recently spoke on vertical writing at Glastonbury, Conn.

Miss Annie M. Holbrook, the former Moline Ill., high school teacher, now with the Prang Educational Co., Chicago, sailed on the Werra, of the North-German Lloyd line, for Genoa, Italy, in May.

W. S. White, the handsomest book man in Michigan became suddenly ill at Grand Rapids. He was nursed by J. M. Eppstein.

Jonathan Piper, the pioneer book man of the Northwest is sojourning in Iowa.

B. D. Berry, of Silver, Burdett & Co., is spending his vacation in Duluth.

A. H. MCGUFFEY DEAD.

Alexander H. McGuffey, author and attorney, died at his home, Mt. Auburn, Cincinnati, June 3d, after an illness of a month or more, during which time his condition had been precarious. He was in his eightieth year.



ALEXANDER H. MCGUFFEY.

W. H. McGuffey, brother of the deceased, and fifteen years his senior, undertook his education, and while W. H. McGuffey was president of Miami University, Alexander graduated there. The deceased was appointed professor of Belles Lettres in Woodward College, Cincinnati, at the early age of eighteen, and during his engagement at Woodward prepared his celebrated set of readers. Though published under the name of his brother, W. H. McGuffey did no more than supervise the work. His speller, however, he published under his own name. He was admitted to the bar on attaining his majority, having found time to complete his studies while teaching. Though practicing very little in court, he did an enormous office business, and having splendid legal talents, kept most of his clients from long and unprofitable legal entanglements. He appeared very little in public, but was one of the first trustees of the Cincinnati University. At the time of his death he was a trustee of the Cincinnati college.

His first wife was Elizabeth, daughter of Dr. Daniel Drake, who founded Cincinnati College, of which Mr. McGuffey was trustee and financial agent for thirty years. The children of this marriage now living are: Anna M., wife of Attorney Henry A. Morril, Cincinnati; Dr. Fred B. McGuffey, Chattanooga; Rev. E. M. McGuffey, an Episcopal rector, established at Newton, L. I.; Helen B., wife of Robert H. Parkinson, a Chicago attorney, and William H. McGuffey, in the railroad business at Washington, D. C. Alice M., wife of Prof. Laughlin, of the Chicago University, is dead.

In 1863 Mrs. McGuffey died, and Alexander McGuffey married Mrs. Caroline B. Rich, of Boston, in 1865. The surviving children of this marriage are: Margaret D. McGuffey, of Boston; Agnes and Kingsley, who are living at home.

Dawson, the University Publishing Co's New York man, will be at the Buffalo N. E. A. by a large majority.

Mrs. J. M. Eppstein, wife of the American Book Co's music man, has accompanied her husband recently on some of his western trips, and thus secures her vacation.

C. C. Birchard is now located at Boston and enjoying good health.

Col. Robeson, who represents Ginn & Co. in the South, is expected at Buffalo.

Alexander Forbes, the western manager of Sheldon & Co., accompanied the daughters of Mr. Eldridge, the Philadelphia publisher, on a short trip over Lake Michigan.

F. H. Blondell, of Leach, Shewell & Sanborn, Chicago, who has been seriously ill at Minneapolis, is improving. He has submitted to a system of dieting, taken up the wheel, and good health will be his again.

W. T. Wilcoxson, agent for Ginn & Co. in Michigan, is building a handsome home at Lansing. He was married several months ago.

Hugh Foresman, of Scott, Foresman & Co., of Chicago, will be married in the fall to a Pennsylvania lady.

The wife of F. W. Arbury, who represents Silver, Burdett & Co. in Michigan, has been stricken with paralysis and is dangerously ill.

H. M. Tallman, the bookman who died at Minneapolis, left his family in destitute circumstances. The bookmen in the Northwest, regardless of companies, made up a handsome purse for the widow. The assistance has been gratefully acknowledged to the agents.



COL. CHAS. W. JOHNSON,

The Bookman who Served as the Temporary and Permanent Secretary of the National Republican Convention.

Col. Chas. W. Johnson, of Silver, Burdett & Co., acted as the temporary secretary of the National Republican Convention at St. Louis. He has been a well known citizen of Minneapolis for a number of years. Though he now lives in Boston, he has property interests in Minneapolis, and considers that city his home. He is 59 years old, and for a number of years was an active newspaper man, once being editor of the Minneapolis Tribune. In 1876 he was elected reading clerk of the senate and later became chief clerk, holding this position until four years ago. He was, when Senator Hill succeeded him, secretary of the Minneapolis convention in 1892. Colonel Johnson has never held any office, but has been active in politics for many years, and is on good terms with prominent statesmen.

Maj. A. J. Cheney, the veteran book man, who represents the G. & C. Merriam Co. in the West, was one of the invited guests at the National Republican Convention who occupied seats upon the platform.

Maj. A. W. Clancy, was a vigorous McKinleyite at the St. Louis convention. He was one of the first men in Illinois to boom McKinley for president.



ALBERT W. CLARK,
Agent Ginn & Company,
Boston, Mass.



H. W. CHILDS,
Agent Ginn & Company,
Syracuse, N. Y.



GIFFORD H. G. MCGREW,
Agt. University Publishing Co.,
Boston, Mass.

Harper & Brothers' New and Forthcoming Text-Books.

HILL'S PRINCIPLES OF
RHETORIC. REVISED.

BUEHLER'S PRACTICAL
EXERCISES IN ENGLISH.

AIKEN'S
METHODS OF
MIND-TRAINING.

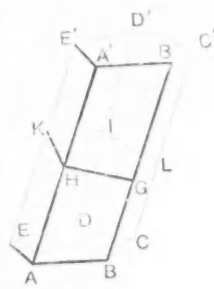
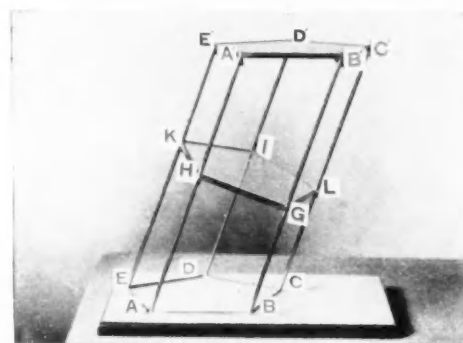
A NEW GEOMETRY.

ROLFE'S
SHAKESPEARE
THE BOY.
(Nearly Ready.)

MESSRS. HARPER & BROTHERS announce the immediate publication of the Elements of Plane and Solid Geometry, by ANDREW W. PHILLIPS and IRVING FISHER, Professors in Yale University, a book which will mark a new era in the text-books and the teaching of geometry.

It is a new departure in Pedagogy, whereby, in a

simple yet most effective way, the great problem of educating the student's imagination to a proper comprehension of figures of



From Phillips-Loomis "Elements of Geometry." Copyright, 1892, by HARPER & BROTHERS.

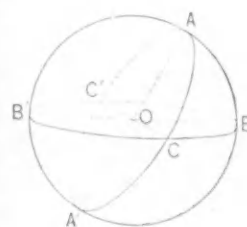
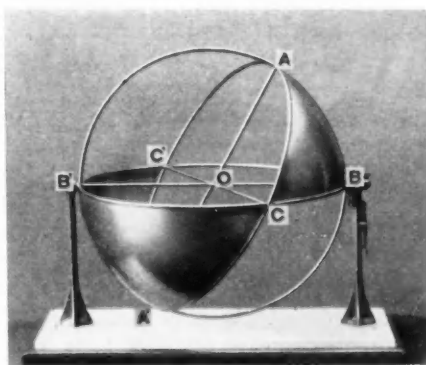
three dimensions is solved.

By the use of photo-engravings (see illustrations) arranged side by side with skeleton drawings, the most magnificent collection of geometrical models ever constructed is brought within reach of every preparatory school and college student.

This book is, in short, the ideal geometry for which all have been waiting, and which every teacher of mathematics will wish to see and use.

PHILLIPS-LOOMIS MATHEMATICAL SERIES.

Elements of Plane Geometry and Geometry of Space, with an Appendix treating of Plane Curves and Plane Figures, Exercises in Plane and Solid Geometry, an Introduction to Modern Geometry, including also a comparison of Plane, Spherical, and Pseudo-Spherical Geometry, a Table of Five place Logarithms, a Table of English and Metric Measures, and an Index of Definitions, Constructions, and practical rules of Mensuration. By ANDREW W. PHILLIPS and IRVING FISHER, Professors in Yale University. With more than 600 illustrations and diagrams. pp. 549. Crown 8vo. Descriptive circular and price on application.



From Phillips-Loomis "Elements of Geometry." Copyright, 1892, by HARPER & BROTHERS.

ROLFE'S STUDY OF
ELEMENTARY ENGLISH.
(Nearly Ready.)

DODGE'S REVISION OF
ORTON'S COMPARATIVE
ZOOLOGY.

ROBERTSON'S HISTORY
OF ENGLISH
LITERATURE.

PHILLIPS-LOOMIS
TABLES OF
LOGARITHMS.

JANNARIS'S MODERN
ENGLISH-GREEK
DICTIONARY.

HARPER'S CLASSICAL
DICTIONARY. (In Press.)

AMES'S THEORY OF
PHYSICS. (Nearly Ready.)

DEWEY'S ELEMENTARY
PSYCHOLOGY
(In Preparation.)

DEWEY'S ADVANCED
PSYCHOLOGY.
(In Preparation.)

STEDMAN'S
MODERN GREEK
MASTERY. (In Press.)

Harper & Brothers' Illustrated descriptive Catalogue, containing descriptions of these and many other school-books, will be sent on request.

Harper & Brothers, Publishers, New York

W. S. RUSSELL, 169 Wabash Ave., Chicago.

Agent for the Introduction of Harper & Brothers' Educational Publications.



JOHN S. VAN DYKE,
County Supt.,
Hopswell, N. J.



JOHN WEISSEND,
Member School Board,
Janesville, Wis.



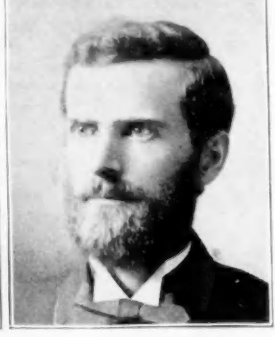
RICH. H. LEWIS, M. D.,
Member School Com.,
Raleigh Township, N. C.



E. R. BENEFIEL,
Supt. Stafford County,
St. Johns, Kan.



GOV. ELIAS CARR,
Ex officio mem. State Bd. of Ed.,
Raleigh, N. C.



PROF. J. I. MCCAIN, Ph. D.,
Mem. Sch. Bd. Exam.,
Due West, S. C.



GOV. JOHN E. JONES,
Mem. State Bd. of Education,
Carson, Nev.



C. R. STICKLE,
School Clerk,
Winneconne, Wis.



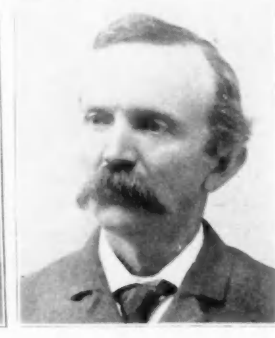
W. A. WRAY,
Pres. Bd. of Education,
North Knoxville, Tenn.



C. L. BEVER,
County Superintendent,
Pawnee, Okla.



ALFRED A. THOMPSON,
Member School Committee,
Raleigh Twp., Raleigh, N. C.



FRANCIS W. HIGGINS,
School Com. Newberry Co.,
Newberry, S. C.



EDWARD BECK,
Member Board of Education,
Lockport, N. Y.



GOV. STONE,
Mem. State Bd. of Education,
Jefferson City, Mo.



A. A. LESUEUR,
Sec'y State Bd. of Education,
Missouri.



F. H. UMHOLTZ,
Supt. Oklahoma County,
Oklahoma City, O. T.



T. C. ROBINSON,
School Com. Pickens County,
South Carolina.



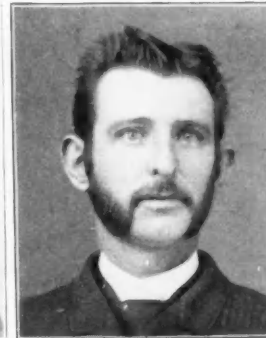
J. C. HOUSER,
Superintendent of Schools,
Danville, Pa.



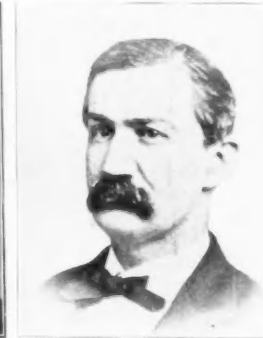
P. H. DOENITZ,
Clerk School District No. 1,
Plainfield, Wis.



JAMES O. RAYMOND,
Stevens Point, Wis.



CHAS. A. RASMUSSEN,
Clerk Uniontown School Dist.,
Lotus, Cal.



ALEXANDER CHAPLAIN,
Exam. Talbot County,
Easton, Md.



GEO. W. MILLER,
Co. Superintendent of Schools,
Kokoma, Ind.



JOHN ENRIGHT,
Supt. Monmouth County,
New Jersey.



S. W. AUSTIN,
Superintendent Inyo County,
Lone Pine, Cal.



J. H. PERKINS,
Prin. Colfax Normal School,
Colfax, Wash.



F. H. TURNER,
Superintendent Sierra Co.,
Sattley, Cal.



JOHN A. KOEHLER,
West Bloomfield, Wis.



A. T. SILVER,
County Superintendent,
Williamsburg, Ky.



A. M. GEARHARDT,
Treasurer School Board,
Danville, Pa.

NEW TEXT-BOOKS FOR 1896.

1st. The New Franklin Arithmetics. IN TWO BOOKS.

This is an entirely new series, and contains the largest number, the greatest variety, and the freshest examples of any series published. They have over 16,000 examples, and in this respect exceed even the Arithmetics which give examples only. In addition, they contain the clearest statement of the principles, rules, and definitions of Arithmetic of any series published. Every teacher should examine these fresh text-books, by EDWIN P. SHAVER, Superintendent of Schools, Boston, and GEORGE A. WALTON.

Prices—First Book, - - - - 35 cents.
Second Book, - - - - 65 "

2d. Sheldon's Language Lessons. IN TWO BOOKS.

These books are already a wonderful success. They combine all the advantages and attractions of the Language Lesson plan most happily with pure Grammar. Teachers everywhere are delighted with them.

Prices—Primary Language Lessons, 38 cents.
Advanced Language Lessons,
Grammar and Composition, 62 "

3d. Sheldon's Vertical Writing. IN TEN NUMBERS.

Elementary Course (4 Nos.) - - 72 cts. per doz.
Grammar Course, (5 Nos.) - - 96 " " "

The entire series is now ready, together with complete Charts (two Nos.) of Vertical Writing (to be hung in the schoolroom), price \$1.00; and a Teachers' Manual, giving all possible instruction as to methods of teaching Vertical Writing, price 75 cents.

This is the only series which teaches Vertical Writing systematically. Every movement is explained and practiced, and the scholars are taught to write with ease and rapidity this clear, round, Roman hand. The writing in this series is not the slant style straightened up. Vertical Writing can never be a success so long as the scholar has the latter style of copies, of which he is to slowly draw imitations.

A sample set (ten Nos.) sent to teachers only, by mail, postpaid, on receipt of 75 cents.

4th. Avery's School Physics. PRICE \$1.25.

This is the greatest text book on this subject yet published. It contains in one volume, Class-room work, also Laboratory exercises, and the clearest possible statement of principles.

DR. AVERY'S OTHER BOOKS ON NATURAL SCIENCES:

Avery's First Principles of Natural Philosophy.
Avery's Elements of Natural Philosophy.
Avery's Elements of Chemistry.
Avery's Complete Chemistry (Embracing Organic Chemistry).

PRESIDENT D. J. HILL'S VALUABLE BOOKS:

RHETORIC, LOGIC, ETC.

Hill's Elements of Rhetoric and Composition.
Hill's Science of Rhetoric.
Hill's Elements of Logic.
Hill's Elements of Psychology.

New Franklin Readers.
Sheldon's Modern School Readers.
Stoddard's New Intellectual Arithmetic.

This book has been very carefully revised.

Sheldon's Word Studies.

This is the best and most practical spelling-book in the English language.

Modern Spelling Book.

New edition just ready.

Shaw's New History of English and American Literature.

SEND FOR CIRCULARS.

SHELDON & CO.,

NEW YORK, CHICAGO, BOSTON.

THE FIRE DRILL.

Quincy, Ill. Supt. McFall will introduce the fire drill in the schools.

Baltimore, Md. During an incipient fire the drill proved a success.

South Orange, N. J. The board is moving in the direction of making fire drills compulsory.

Omaha, Neb. A panic was avoided during a school house fire, by a little boy who beat the drum vigorously for a fire drill.

Lansingburgh, N. Y. In the Powers school a false fire alarm was given and led by their teachers. The 450 pupils who were well drilled made their way rapidly and orderly down the fire escapes and emerged from the building without the slightest casualty in less than a minute.

Grand Rapids, Mich. Fire drill has been enforced.

Utica, N. Y. Practice fire drills have been conducted for some time

at the advanced school. The alarm was given without previous warning when some of the pupils were in recitation rooms and others were at their desks. The 600 pupils left the building in perfect order and without confusion in less than five minutes. The practice is a good one in more respects than one, as it teaches presence of mind and in case of fire in the school building might be the means of preventing it.

Wichita, Kans. The scholars of the city schools

are to be organized and drilled into fire brigades; each building is to have its own company thoroughly drilled and equipped for a fire emergency. Each building will have its "fire chief" and his corps of assistants, drilled to use the new fire extinguishers, and keep the rest of the students from stampeding in case of a conflagration.

New York. The board will discontinue athletic contests between scholars.



BERTHA O. MCPHERSON,
Supt. Woodward Co., Woodward, Okla.

OUR
TOOL CATALOGUE
READY ABOUT JULY 15TH
IS OF SPECIAL INTEREST TO
PURCHASERS OF TRADE SCHOOL SUPPLIES.

HAMMACHER, SCHLEMMER & CO.,
209 BOWERY, NEW YORK.

A Tonic

For Brain-Workers, the Weak and Debilitated.

Horstford's Acid Phosphate

is without exception, the Best Remedy for relieving Mental and Nervous Exhaustion; and where the system has become debilitated by disease, it acts as a general tonic and vitalizer, affording sustenance to both brain and body.

Dr. E. Cornell Easton, Philadelphia, Pa., says: "I have met with the greatest and most satisfactory results in dyspepsia and general derangement of the cerebral and nervous systems, causing debility and exhaustion."

Descriptive pamphlet free on application to
Rumford Chemical Works, Providence, R. I.
Beware of Substitutes and Imitations.

For sale by all Druggists

TEACHERS' SALARIES.

The average teacher's salary in Marinette, Wis., is \$53.44; Madison, Wis., \$60.23; Whitewater, Wis., \$53.88; Ashland, Wis., \$59.27; Sparta, Wis., \$63.02; Iron Mountain, Mich., \$56.23; Menominee, Mich., \$52.00; Oshkosh, \$59.17; Escanaba, Mich., \$58.46.

Richmond, Mo. Board hired a school enumerator and pays 2 cents per name for his salary.

The following cities have fixed the salaries of superintendents as follows: Princeton, Mo., \$95 a month. Altoona, Pa., \$1,800; Abington and Bridgewater, Mass., \$2,000; Franklin county, Pa., \$1,500; Lancaster, Pa., \$2,000; Tioga County, Pa., \$2,000; Pottstown, Pa., \$1,500; Montgomery, Pa., \$2,500; Central county, Pa., \$1,800; Lancaster county, Pa., \$2,500; Allegheny, Pa., \$3,000; Brad-dock, Pa., \$1,800; Homestead, Pa., \$1,600; Fortville, Ind., \$75.00 a month; New Haven, Conn., \$3,800.

Newport, Ky. The school board is three months in arrears with the salaries of teachers.

Eaton Rapids, Mich. Superintendent \$1,200.

Detroit, Mich. The board of estimates is making a sweeping cut in the schools. It is proposed to drop eighty teachers, thus effecting a saving of over \$30,000. Then all teachers receiving \$40 a month and under are to be cut 10 per cent., and all receiving \$40 and over are to be cut 25 per cent.

Kansas City, Mo. Board fixed the secretary's salary at \$2,700 and the treasurer's salary at \$1,200 a year.

Centerville, Ia. Board cut down the salary of the superintendent from \$1,200 a year to \$1,000.

Fremont, Neb. The superintendent of schools salary was fixed at \$900.

Mt. Pleasant, Ia. Supt., \$1,250.

Lawrence, Mass. Supt., \$3,000.

Cincinnati, O. Two teachers' salaries have been docked for time lost in attending funerals.

Kankakee, Ill. Supt., \$1,650.

Mahanoy, Pa. City school board is agitating a reduction of the salary of the superintendent. The present salary is \$1,650.

Shenandoah, Pa., pays its superintendent \$1,800; Pottsville, Pa., \$2,000; Tamaqua, Pa., \$1,500.

New Britain, Conn. Superintendent's salary was fixed at \$2,500.

For a kindergarten principal Hartford, Conn., pays an average salary of \$1,000; Providence, R. I., \$750; Boston, Mass., \$650; New York and Rochester, \$650; Des Moines, Ia., 600; Buffalo, N. Y., \$600; Cambridge, Mass., \$520; Albany, N. Y., \$500; Philadelphia, Pa., \$475.

Salaries of superintendents of schools in Minnesota are as follows: Alexandria, \$1,400; Anoka, \$1,500; Austin, \$1,500; Crookston, \$1,575; Duluth, \$3,600; Fairbault, \$1,600; Fergus Falls, \$1,200; Hastings, \$1,400; Henderson, \$1,200; Hutchinson, \$1,100; Minneapolis, \$4,000; Northfield, \$1,500; Owatonna, \$1,500; Red Wing, \$1,500; Rochester, \$1,500; St. Cloud, \$2,100; St. Paul, \$4,000; St. Peter, \$1,500; Sauk Center, \$1,500; Spring Valley, \$1,200; Stillwater, \$2,100; Worthington, \$1,350; Chatfield, \$1,100; Fairmont, \$1,100; Le Sueur, \$1,200; Montevideo, \$1,200; Rushford, \$1,200; Waseca, \$1,300; Willmar, \$1,000; Zumbrota, \$1,000; Dodge Center, \$1,200; Janesville, \$1,000; Pine Island, \$1,200; Waterville, \$765.

Lima, O. Board increased the superintendent's salary from \$1,800 to \$2,400 per annum.

Covington, O. The salary of the music teacher was fixed permanently at \$1,200 per annum.

Centralia, Ill. Board fixed superintendent's salary at \$150 per month.

Chariton, Ia. Board adopted a resolution to the effect that hereafter all teachers who have taught in the public schools of Chariton for five consecutive years receive an increase in their salaries of five dollars per month.

Cincinnati, O. Teacher of German in the Columbian schools \$450 per annum.

Wausau, Wis. Special music teacher \$500 per year.

Superintendents' salaries have been fixed by the following cities as follows: New Brighton, \$1,500; Carlisle, Pa., \$1,200; Hamilton, O., \$2,300; Beaver Falls, Pa., \$1,600; Jamestown, K. Y., \$2,000; Niles, O., \$1,800; Austin, Tex., \$2,000; Mexia, Tex., \$1,650; Du Bois, Pa., \$1,000; Everett, Mass., \$2,000; Springfield, O., \$2,000.

Middletown, O. Board decided that all grade teachers having three years experience be salaried at \$50 per month; two years experience \$45; one year experience \$40; no experience \$35.

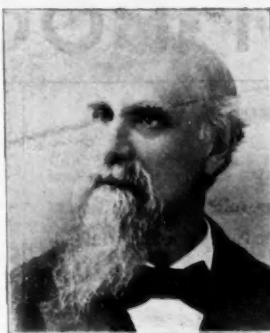
Augusta, Ga. The colored teachers have petitioned the board for more pay.

Fairbury, Neb. The board of education has made sweeping reductions in the salaries of teachers for the coming year. The superintendent will receive \$900 instead of \$1,300 as formerly, and all the others will take proportionately reduced pay.

Superintendents salaries have been fixed by the following cities as follows: Tecumseh, Neb., \$8,000; Freeport, Ill., \$200 per month; Mount Vernon, Ill., \$1,200; Defiance, O., \$1,500; Battle Creek, Mich., \$1,650.

Carlisle, Pa. Two sets of rival school directors attempted to organize with the result that the police had to be called in.

New Britain, Conn. Supt. Stewart stated to the board that the requisites for a good teacher were embodied in sound physical health, best of morals, best of manner, and high scholarship.



LEWIS G. LOCKWOOD,
President Board of Education,
Borough of Caldwell, N. J.

Boston. The school board will hereafter have a clerk of committees.

AMONG BOARDS OF EDUCATION.

Omaha, Neb. It is reported that married women are not to be barred as teachers.

Richmond, N. H. The school board consists of two women and one man.

Boston, Mass. It is proposed to locate bathing facilities in the public school houses.

Detroit, Mich. The board of education reduces expenses by dispensing with the services of twenty-two teachers, some of whom are retired on pensions, reducing the salaries of many others, and shortening the school year two weeks.

Detroit, Mich. The teachers have asked that the school year be shortened one month.

Washington, Pa. A feature of the dedication of the new school building was to have a procession of pupils from the old building to the new, headed by the teachers. The young women, however, have revolted against the arrangement and claim that for them to march through the streets would be undignified.

Long Island City, N. Y. St. Patrick's Day and Pentecost Monday have been made holidays by the board of education. Other nationalities, principally Italians and Bohemians, declare now that they will make request to the board to close the schools on days observed by their respective countries.

St. Paul. A sensation was caused here by the springing up of a suit for \$25,000 by Charles B. Gilbert, Superintendent of the St. Paul schools, against four leading citizens. The charge against them is libel. Supt. Gilbert charges that they brought formal complaint against him before the Board of Education, charging that he employed a woman guilty of immoral conduct in the public schools of St. Paul, knowing her to be a woman of bad character, and afterward recommended her as a teacher to both Omaha and West Superior. Prof. Gilbert has the confidence of his board and has since been re-elected to his position. In the recent contest over the New York City superintendency he received six votes.

Philadelphia. The press is protesting against the secrecy of school board committee meetings.

New Haven, Conn. When the board recently appointed the teachers for the year, all reporters were excluded.

ICE CREAM NOW MADE IN A MINUTE.

I have an ice cream freezer that will freeze cream perfectly in one minute: as it is such a wonder a crowd will always be around so any one can make from \$5 to \$6 a day selling cream, and from \$10 to \$20 a day selling freezers, as people will always buy an article when it is demonstrated that they can make money by so doing. The cream is frozen instantly and is smooth and free from lumps. I have done so well, and have friends succeeding so well, that I felt it my duty to let others know of this opportunity, as I feel confident that any person in any locality can make money, as any person can sell cream and the freezer sells itself. W. H. Baird & Co., 140 S. Highland Ave., Station A, Pittsburg, Pa., will mail you complete instructions and will employ you on salary, if you can give them your whole time.

TUITION FEES.

Weatherby, Pa. The tuition for non-resident pupils was fixed. Pupils attending primary or secondary departments, \$1 per month; those attending the intermediate schools, \$1.50 per month; grammar schools, \$2 per month, and scholars in the high school \$3 per month.

Racine, Wis. Laboratory privileges in high school, chemistry 15 cents per month; physics, 10 cents.

Litchfield, Minn. The tuition fee in the higher departments has been raised from \$1.60 to \$2.50 per month.

Rock Island, Ill. The tuition for outside pupils was fixed at \$2 per month, and small children \$1.25 per month.

Maynard, Merrill & Co., Publishers of School Books. Catalogue Free.
43-47 E. 10th St., N. Y. Send for it.

H. I. SMITH, 5 SOMERSET ST., BOSTON. J. D. WILLIAMS, 151 WABASH AVE., CHICAGO.

DEAFNESS & HEAD NOISES CURED
by my invisible Tubular Ear Cushions. Whispers heard. Warranted to help more cases than all similar devices combined. Help ears as glasses help eyes. Sold by F. HISCOX only, 855 Broadway, New York. Send or call for book of proofs **FREE**

School Board Journal

Recently Adopted by NEW YORK CITY for all their School Libraries.

A DUTY TO SAVE WHERE YOU CAN.

What Prof. G. G. Ryan, Supt. Schools, New Brunswick, N. J., recently said to us:

"You don't state your case **half strong enough**. I have carefully watched the effect of using your system and I am sure our books are lasting more than twice as long."—G. G. RYAN.

Consider your *Immense Outlay for Free Text Books*. Make your Books last longer and look neat and uniform in the school room.

700 SCHOOL BOARDS

USE AND PRAISE THE

Holden System for Preserving Books

CONSISTING OF THE

Holden Adjustable Book Covers, and the Holden Repairing Material.

Samples and Information Free.

HOLDEN PATENT BOOK COVER COMPANY,

Springfield, Mass. (P. O. Box 643 A 5.)

WOMEN AND BOARDS OF EDUCATION.

Dr. N. C. Schaeffer, superintendent of public instruction of Pennsylvania, has given as his opinion regarding the eligibility of women to serve on school boards that the choice of school directors is one of fitness, and if woman is more fit for the place than man she ought to replace him. On the other side of the Atlantic, woman has shown that she is superior to man in her fitness for office. Dr. Schaeffer believes man is too prone to neglect the comforts of the school house, while on the other hand the woman is more observant of the needs of children. He claims it is better to consult women in the curriculum and grading of the schools, and if he had his own way he would put several women on each school in the country.

Kingstown, Mass. Miss Helen Holmes was elected superintendent of schools. It is believed that she is the first woman in the state to hold such a position.

Provo, Utah. Mrs. Cornelia Clayton has been elected to the school board. She is the first woman to be given office in the state.

Peru, Ill. Many votes cast at recent school elections by women were thrown out on technicalities.

Woonsocket, S. D. Mrs. Alice T. Whiting has again been elected a member of the board of education. This is the third time she has been elected to that office.



MRS. SARAH C. HEWITT,
Newly Elected School Trustee,
New York City.

The ex-mayor of Brooklyn made an interesting statement concerning the advantages of putting women on school boards. He thinks the experimental year in that city of women's work has demonstrated their capacity and the value of their services to the public. He says the opposition of teachers, based on the belief that women would be unduly interfering and arbitrary, has proved to be without foundation, as the women have quietly and moderately used their authority, devoting their energies to the real needs of the schools and the scholars. As theories can be proved by results only, this testimony is significant.

Springfield, O. Two women who were nominated for the school board have resigned.

There is more catarrh in this section of the country than all other diseases put together, and until the last few years was supposed to be incurable. For a great many years doctors pronounced it a local disease, and prescribed local remedies, and by constantly failing to cure with local treatment, pronounced it incurable. Science has proven catarrh to be a constitutional disease, and therefore requires constitutional treatment. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, is the only constitutional remedy on the market. It is taken internally in doses from 10 drops to a teaspoonful. It works directly on the blood and the mucous surfaces of the system. They offer one hundred dollars for any case it fails to cure. Send for circulars and testimonials. Address,

F. J. CHENEY & Co., Toledo, Ohio.

Sold by Druggists, 75 cents.



H. BREWSTER WILLIS,
County Supt.,
Middlesex County, N. J.

Albany, N. Y. The press charges the board with holding star chamber sessions.

Stockton, Pa. The members of the board of education were greeted at their last regular meeting with the following notice written on the black-board: "No smoking allowed; please do not leave your stumps; you make the rules and you violate them." The members are all hearty smokers, and became indignant, and the janitor was instructed to ascertain who was guilty of writing the notice.

Dayton, Ky. At the last regular meeting of the board, spectators at the meeting came to blows over the discussion. A window pane was broken and the gas was turned out.

THE BURROWS BROTHERS COMPANY,

PUBLISHERS, BOOKSELLERS AND STATIONERS,

23-25-27 Euclid Ave., - CLEVELAND, O.
REVISED EDITIONS



One Thousand and One Questions and Answers on

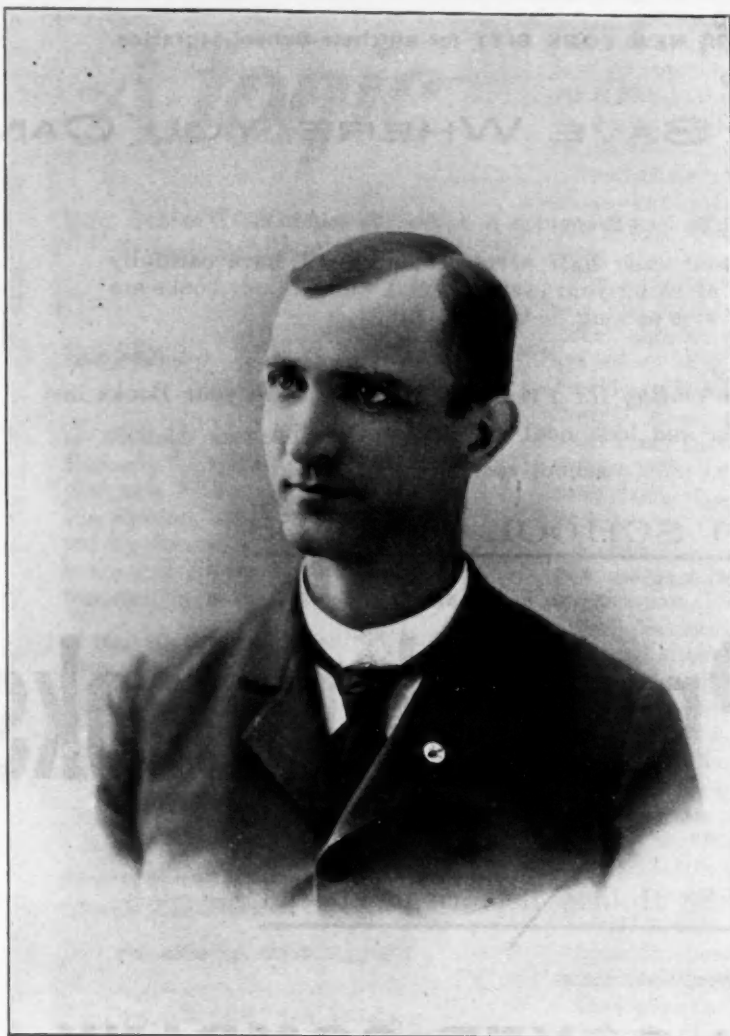
U. S. History, Geography, Grammar, Arithmetic, Theory and Practice of Teaching, Botany (this is recent and so not revised), Physiology and Hygiene, Orthography and Reading, General History, Test Examples in Arithmetic, Natural Philosophy.

BE SURE TO ORDER REVISED EDITIONS.

Most successful books of the kind ever published. Over 80,000 copies sold already, and the sale, now that they have been thoroughly re-written by the most competent teachers, is far greater than ever.

Price, Bound in Cloth, each 50c.

Any six assorted for \$2.50, postpaid; Any eight assorted for \$3.25, postpaid. The entire set of eleven for \$4.25, postpaid.



PROF. D. D. MAYNE,
Superintendent of Schools, Janesville, Wis.

The man who first introduced the petition in the Board of Directors of the N. E. A. to establish a Department of School Administration.

EDUCATION AND THE TYPEWRITER.

Without having had the benefit of vigorous champions in the educational field, the typewriter has gradually clicked its way into the great army of schools and colleges of the land, and has assumed a place in the schoolroom paraphernalia which seems as natural as if it had been evolved there. No great mind has analyzed its present uses or future possibilities from a pedagogical standpoint, nor even discussed with any degree of seriousness its services as a simple educational factor. It is bought by the school board or college faculty like ordinary school supplies and is inventoried once a year in the general equipment.

But the typewriter is there. It came because it was wanted, and remained because it was needed. Its click has become softer and more rapid, and has served pupil and schoolmaster alike.

The question as to its educational value has only been asked recently, and while it has unhesitatingly been declared indispensable in the certain routine work, its service as a schoolroom factor has not been disputed. In fact, the highest recognition is not only here and there conceded, but spontaneously bestowed.

If it can be said for the typewriter that it is a device which strengthens observation, and increases the power of concentration in the pupil, then recognition, from an educational point of view, cannot be withheld. It must therefore be recognized at this time that the use of the typewriter gives the pupil a more discriminating use of words, a more direct construction of sentences, and a more forcible combination of the same. The pupil is not only prompted by the production of a printed page of reading matter to overcome all failings in spelling and punctuation, but to construct his sentence with more force and finish. Accuracy then in sentence construction, neatness

in the preparation of manuscript, and the stimulation of intellectual powers follow as a natural consequence.

PROGRAM CLOCKS FOR SCHOOLS.

Frick's Automatic Electric Program Clock is rapidly being recognized by the best educational institutions of the land as being an invaluable addition to proper school keeping. It has been adopted by many of the leading schools and colleges of the United States and Canada, and its numerous users strongly indorse it and urge its introduction from a pedagogical standpoint. It has a wonderful influence on the discipline of the school. It simply revolutionizes the movements of the school, and introduces military precision with all of the benefits of that class of drill, enforces promptness and punctuality on the part of all connected with the school, accomplishing what persuasion, the rod, punishment, and an endless amount of worry cannot. If all school officials were acquainted with the merits of this automaton they would not consider doing without it if the cost were many times what it is. This apparatus is so ingeniously designed that it automatically meets all requirements in all classes of schools, from the small school to the university. It is furnished to give any number of separate and distinct programs from one up to the largest used in any school. In the public school it gives to each department or grade its own independent program, independent of all others. In the college it gives different programs for the different days and nights of the week, beginning with the "rising bell" Monday

morning it rings every period to and including the "lights out" bell Sunday night. It automatically makes all changes of program or cuts them out as required. When the programs are once set, and they are set with ease, this ingenious piece of mechanism automatically signals every period, allowing the teachers to devote their whole time and attention to the subject under consideration, as they know that when the exact minute arrives, it sounds the signal for change of classes, etc. The following is a partial list of the schools and colleges using this program clock: Haverford, college, Haverford, Pa. School of pedagogy of the New York University, N. Y.; University of South Dakota, Vermillion, S. D.; State Normal school, Milwaukee, Wis.; State Normal school, Moorhead, Minn.; Manual Training high school, Denver, Col.; Ferris Industrial school, Big Rapids, Mich.; Adrian college, Adrian, Mich.; Morgan Park Academy of the University of Chicago; Haskell Oriental Museum, University of Chicago; high school, Sedalia, Mo.; high school, Springfield, Mo.; high school, St. Joseph, Mo.; Girl's new high school, Reading, Pa.; Illinois Institution for the education of the blind, Jacksonville, Ill.; Penna. Institution for the instruction of the blind, Philadelphia, Pa.; Northeast manual training school, Philadelphia, Pa.; Ursinus college, Collegeville, Pa.; Perkiomen seminary, Pennsburg, Pa.; Juniata college, Huntingdon, Pa.; Fifth ward school, Appleton, Wis.; high school, Portland, Me.; new high school, Montreal, Canada; Mt. Allison Ladies' college, Sackville, N. B.; Walnut Hills high school, Cincinnati, O.; State Normal college, Florence, Ala.; Southwest Virginia Institute, Bristol, Va.-Tenn.; Cheltenham Academy, Ogontz, Pa.; Prof. J. A. Browning's school for boys, 31 West Fifty-fifth street, N. Y.; Cedar street school, Astoria, Oregon; public schools, Waynesboro, Pa.; Metzger college, Carlisle, Pa.; Workingman's school, 109 West Fifty-fourth street, N. Y.; Sam Houston Normal school, Huntsville, Tex.; Wilson college, Chambersburg, Pa.; Monrovia City, schools, Monrovia, Ca.; Agricultural and Mechanical college, Stillwater, Oklahoma; Worcester Academy, Worcester, Mass.; State Normal school, Stevens Point, Wis.; Cascadilla school, Ithaca, N. Y.; Colgate Academy, Hamilton, N. Y.; Randolph-Macon college, Lynchburg, Va.; James G. Blaine school, Philadelphia, Pa.; new high school, Scranton, Pa.; State Normal school, Oswego, N. Y.; Friend's select school, Philadelphia, Pa. Teachers and school officials should write for catalogue, testimonials, and prices, to the manufacturer, Fred Frick, Waynesboro, Pa., who will furnish same free, and cheerfully answer all inquiries.

Osage, Ia. County board adopted Sheldon's grammar, Chandler's civil government, Iowa and the Nation.

FINANCE AND BUILDING.

Chicago. The school board's architect claims that he has saved the board \$100,000 in eighteen months.

Warrenburg, Mo. The board has employed F. S. Allen, the school house architect of Joliet, to draft plans and specifications for a new high school building.

Grundy Centre, Ill. F. S. Allen, school house architect of Joliet, Ill., has been awarded contract to design and superintend new school.

Denver. District No. 1 has again placed the superintendent's salary at \$5,000.

Fond du Lac, Wis. In a keen competition for plans and designs for a public school building here, Jennings & Ross, of Chicago, were the successful architects.

Marinette, Wis. The board of education, impelled by the necessity for economy, has shortened the school year from ten to nine months and decided to do away with instruction in Greek, music and writing. The amount saved is about \$6,000.

Lansing, Mich. Board cut the superintendent's salary from \$1,800 to \$1,400 and decided to dispense with the drawing teacher.

Medford, O. T. Board fixed the school tax at 9 mills.

Lansing, Mich. The apportionment of the school fund has been made at the rate of 46 cents per capita.

Detroit, Mich. Supt. Robinson, of the public schools, says that the school accommodations are such that the city should be compelled by force of law to provide better.

EXTENSION OF THE CIVIL SERVICE.

The Civil Service has been extended, until now it practically covers every position between the two great extremes; namely, those appointed by the president direct, and the common laborers. The classified service now applies to all the Departmental, Railway Mail, Indian, Internal Revenue, Postal, Customs, and Government Printing Services throughout the United States. The recent extension increased it 30,000, thereby increasing the classified service to 85,000 souls. The number appointed annually will now be about 6,000. The attention of our readers is called to the announcement of the National Correspondence Institute of Washington, D. C., in another column. This Institute makes a specialty of preparing applicants for the various government positions. And its instructors stand high in educational circles.

SCHOOL SESSIONS AND BOARDS.

Galveston, Tex. Schools will close April 30, one month earlier than usual.

Norwood, O. The board will continue the one hour dinner recess.

Deering, Me. Board voted that grammar schools close at 4:15 p. m., primary, 3:45 p. m.

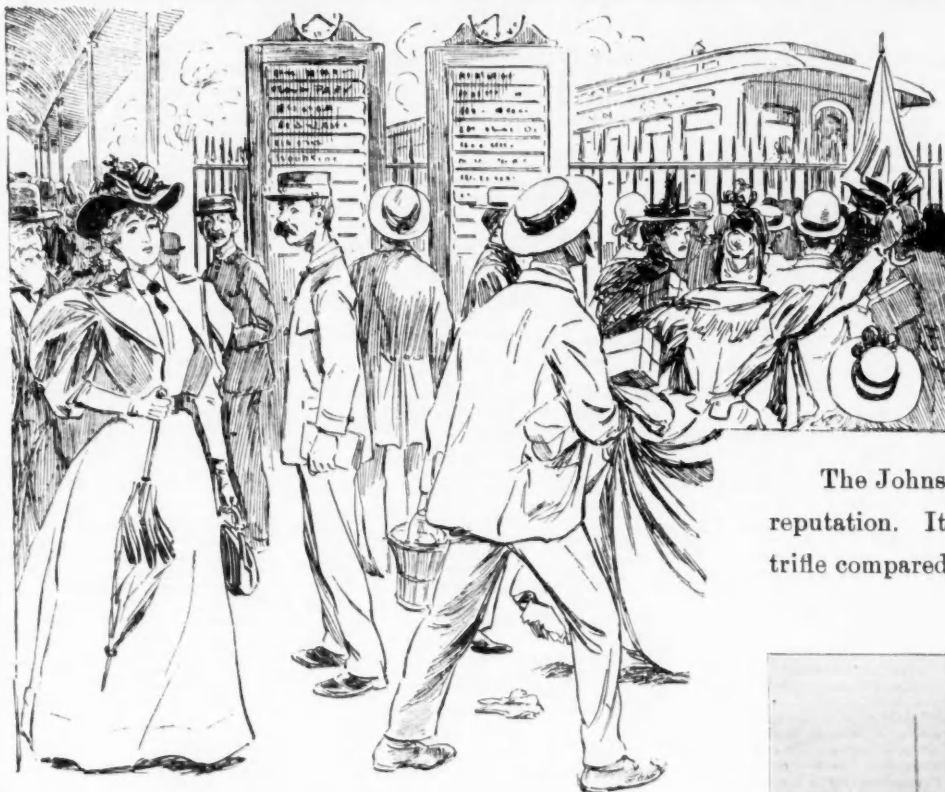
Minneapolis. The plan to abolish Easter vacation and thereby close the schools earlier in June has failed.

Providence, R. I. The controversy over high school sessions has been settled by having two sessions instead of one, the same as the other schools, from 9:00 to 11:30 a. m., and from 1:30 to 4:00 in the afternoon.



MISS GEORGIA BEVER,
Supt. Price Co.,
Phillips, Wis.

SCHOOL VACATIONS.



School boards do some of their most important work during the vacation months, preparatory to the fall opening of the schools. No work is more important than that which guards the finances of the school system.

A systematic regulation of the temperature in a school building stops once and for all time the excessive cost of fuel and waste of public funds.

The Johnson System of Heat Regulation has world-wide reputation. Its use is recognized as a necessity. Its cost is a trifle compared with the service it renders.

From an Eminent Authority.

Rogers' Laboratory of Physics,
MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

I consider no system of warming complete without some reliable method for the automatic control of temperature. On the grounds of economy and healthfulness I regard a governor in a steam heating plant as important as on a steam engine for economy and safety.

I never install a plant involving any complications without recommending automatic means for temperature regulation. The Johnson apparatus is the best known to me.

Yours sincerely,
S. H. WOODBRIDGE.



NEW CENTRAL HIGH SCHOOL, PITTSBURGH, PA.
Equipped with the Johnson System of Heat Regulation.

The Johnson System of Heat Regulation

Is now in use in hundreds of school buildings in the United States. The most important public buildings are equipped with it—as well as many private homes. For more complete information write to

The Johnson Electric Service Co.,

12 Pearl Street, Boston, Mass.

25-26 Hodges Building, Detroit, Mich.

91 Diamond Street, Pittsburgh, Pa.

Lumber Exchange, Minneapolis, Minn.

MAIN OFFICE, MILWAUKEE, WIS.

Johnson Temperature Regulating Co., 240 4th Av., N.Y.

Johnson Temperature Controlling Co.,

411 Dearborn St., Chicago, Ill.

(Please Mention School Board Journal.)

COLLEGE-BOOKS.

For the convenience of school officials contemplating or considering adoptions, this list has been carefully prepared. It represents the modern and progressive school and college text books of the day, adopted by the leading Boards of Education in the United States, and recognized by the best educational authorities.

Penmanship.

- | | |
|---|---|
| <p>Bowser's Academic..... D. C. H. & Co.</p> <p>Atwood's Graded..... " "</p> <p>Walsh's Comm. Sch...... " "</p> <p>Brooks's Algebra..... C. S. Co.</p> <p>Sanford's Elementary..... U. P. Co.</p> <p>Nicholson's..... " "</p> <p>Venable's Easy..... " "</p> <p>Venable High School..... " "</p> <p>Collins's Text Book..... A. S. & Co.</p> <p>Loomis's..... A. B. C.</p> <p>Millie's Ind. and High..... " "</p> <p>Ray's Series..... " "</p> <p>Robinson's Series..... " "</p> <p>Wentworth's Series..... G. & Co.</p> <p>Well's Academic..... L. S. & S.</p> <p>Higher..... " "</p> <p>Bradbury's Ele...... T. B. & Co.</p> <p>Bradbury's & Emery's..... " "</p> <p>Elements of..... S. B. Co.</p> <p>A First Book in..... C. W. B.</p> <p>Meikle's Algebra for Beg...... M. M. & Co.</p> <p>Thompson's Key to New..... " "</p> <p>Practical..... " "</p> <p>Arithmetics.</p> <p>Brook's New Arith...... C. S. Co.</p> <p>" Mental..... " "</p> <p>Hull's..... E. H. B. & Co.</p> <p>Hager's..... " "</p> <p>Raub's..... The W. S. B. Co.</p> <p>Business Arithmetics..... W. & R.</p> <p>Brown's..... The W. S. B. Co.</p> <p>Harper's Advanced..... H. & Bros.</p> <p>Manual of Arith. for prim. gr...... W. B. H.</p> <p>Nicholson's Series..... U. P. Co.</p> <p>Sanford's Series..... " "</p> <p>Venable's Series..... " "</p> <p>White's Series..... A. B. Co.</p> <p>Robinson's Series..... " "</p> <p>Ray's..... " "</p> <p>Millie's E and St...... " "</p> <p>Wentworth's Primary..... Ginn & Co.</p> <p>Wentworth's & Reads..... " "</p> <p>Wentworth's Gram. School..... " "</p> <p>First Lessons in Nos...... L. S. & S.</p> <p>A Brief Course in..... " "</p> <p>The Complete..... " "</p> <p>Essentials of..... " "</p> <p>New Intellectual..... " "</p> <p>Well's Academic..... " "</p> <p>The Normal Course (2)..... S. B. Co.</p> <p>Cogswell's Lessons..... T. B. Co.</p> <p>Bradbury's Eaton's Ele...... " "</p> <p>Practical..... " "</p> <p>Coburn's First Lesson in..... H. M. & Co.</p> <p>Beabe's First Steps..... C. W. B.</p> <p>Hoove's Pestalozzian Arith...... " "</p> <p>Welch's Intermediate Probl...... " "</p> <p>Thompson's First Lesson's..... M. M. & Co.</p> <p>Complete..... " "</p> <p>Art and Music.</p> <p>Dwight's Intro. Art...... D. A. & Co.</p> <p>Astronomy.</p> <p>Ball's Atlas of..... D. A. & Co.</p> <p>Bowen's Astr. by Observation..... A. B. Co.</p> <p>Gillet and Rolfe's..... " "</p> <p>Kiddle's New Element...... " "</p> <p>Young's Lessons in Ele-..... G. & Co.</p> <p>ments of..... " "</p> <p>Biology.</p> <p>Boyer's..... D. C. H. & Co.</p> <p>Stevenson's Studies..... D. A. & Co.</p> <p>Bookkeeping.</p> <p>Spalding's Ele...... D. C. H. & Co.</p> <p>Lyle's Book..... C. S. Co.</p> <p>Williams & Rogers Bk's..... W. & R.</p> <p>Blanks..... " "</p> <p>Bryant & Stratton's (2)..... A. B. Co.</p> <p>Gay's Business..... Ginn & Co.</p> <p>Gram. Sch. Blanks..... " "</p> <p>Bus. High. Sch. Ed...... " "</p> <p>Mayhew's Standard..... S. B. Co.</p> <p>Meservy's..... T. B. Co.</p> <p>Botany.</p> <p>Microscope in Botany..... B. W.</p> <p>Botanical Micro-Chemistry..... " "</p> <p>Wild Flowers of America..... " "</p> <p>Ferns of America..... " "</p> <p>Ferns and Evergreen of N. E...... " "</p> <p>Mosses of North America..... " "</p> <p>Native Trees..... W. B. H.</p> <p>Appar's Plant Analysis..... A. B. Co.</p> <p>Bentley's Physiological..... " "</p> <p>Coulter's Manual..... " "</p> <p>Chemistry.</p> <p>Shepard's..... D. C. H. & Co.</p> <p>Inorg. & Org...... " "</p> <p>Remsen's Organic..... " "</p> <p>Armstrong & Norton's Man...... A. B. Co.</p> <p>Brewster's First Book..... " "</p> <p>Clark's Elements..... " "</p> <p>Cooley's Text Book..... " "</p> <p>Stoddard's Outline..... " "</p> <p>Well's Principles..... " "</p> <p>Quantitative Analysis..... S. B. & Co.</p> <p>Practical Analysis..... " "</p> <p>Inorganic Chemistry..... " "</p> <p>Roscoe's Series..... D. A. & Co.</p> <p>William's Introductory..... G. & Co.</p> <p>Laboratory..... " "</p> <p>Laboratory Manual..... L. S. & S.</p> <p>The Young Chemist..... S. B. & Co.</p> <p>Qualitative Analysis..... " "</p> <p>Parson's New..... D. A. & Co.</p> <p>Lab. Prac...... " "</p> <p>Civil Government.</p> <p>Wenzel's Gov...... D. C. H. & Co.</p> <p>Wilson's "The State"..... " "</p> <p>Dole's Am. Citizen..... " "</p> <p>W. & R. Civil Government..... W. & R.</p> <p>Our Republic..... L. S. & S.</p> <p>Young's Gov. Class Book..... M. M. & Co.</p> <p>Elements of Studies in..... S. B. & Co.</p> <p>Macy's Government..... G. & Co.</p> | <p>Andrews' Constit...... A. B. Co.</p> <p>Martin's Civil Govern...... " "</p> <p>McClary's Civics..... " "</p> <p>Townsend's Analysis..... " "</p> <p>John Fiske's Civil Gov...... H. M. & Co.</p> <p>Northam's Civil Govern...... C. W. B.</p> <p>Composition and Rhetoric.</p> <p>100 Lessons in Composition..... W. B. H.</p> <p>Bain's English Part 1 and 2..... A. B. Co.</p> <p>Boyd's Elements..... " "</p> <p>Harper's Practical Comp...... " "</p> <p>Swinton's School Comp...... " "</p> <p>Gilmore's Rhetoric..... L. S. & S.</p> <p>English Composition..... S. B. Co.</p> <p>Complete Rhetoric..... " "</p> <p>Kellong's Text Book on..... M. M. & Co.</p> <p>Danish.</p> <p>Groth's Grammar..... D. C. H. & Co.</p> <p>Dictionaries.</p> <p>Heath's German..... D. C. H. & Co.</p> <p>Meadow's French German..... D. A. & Co.</p> <p>Adler's German English..... " "</p> <p>Millhouse English-Italian..... " "</p> <p>Lewis Ele. Latin..... H. & Bros.</p> <p>Browne & Haldeman's..... U. P. Co.</p> <p>Webster's School..... A. B. Co.</p> <p>Webster's International..... G. & C. M. Co.</p> <p>Nat'l Dict...... " "</p> <p>Drawing.</p> <p>Thompson's Course..... D. C. H. & Co.</p> <p>Avery's..... U. P. Co.</p> <p>Bartholomew's Free Hand..... " "</p> <p>Eclectic Industrial..... " "</p> <p>Prang's Primary Course Man-..... P. E. Co.</p> <p>uals, Parts I and II..... " "</p> <p>Primary Course without Clay..... " "</p> <p>Manuale Parts I. and II...... " "</p> <p>Ball's Paper Folding and Cut-..... " "</p> <p>ting..... " "</p> <p>Prang's Shorter Course (1-5)..... " "</p> <p>Shorter Course Mann...... " "</p> <p>Intr. Shorter Course..... " "</p> <p>and Manual..... " "</p> <p>Compl. Course (1-10)..... " "</p> <p>Com. Course Manuale..... " "</p> <p>Parts I, II, III, IV..... " "</p> <p>Suggestions for Instr...... " "</p> <p>in Color..... " "</p> <p>Geometric Problems..... " "</p> <p>White's Art Instr. (1-9)..... " "</p> <p>Art Instr. Mann. Pri...... " "</p> <p>4, 5, 6, 7, 8, 9, year..... " "</p> <p>Haile's Practical Drawing..... M. M. & Co.</p> <p>Books..... " "</p> <p>English.</p> <p>Meiklejohn's Eng. Lit...... D. C. H. & Co.</p> <p>Hawthorne & Lemon's..... " "</p> <p>The Orthoepist..... D. A. & Co.</p> <p>The Verbalist..... " "</p> <p>Bain's Teach. English..... " "</p> <p>Bryant's Leaflets..... " "</p> <p>A. S. Hill's Foundation of..... " "</p> <p>Rhet. Revised and Enl...... H. & Bros.</p> <p>A. S. Hill's Principles of Rhet...... " "</p> <p>Revised and Enl...... " "</p> <p>Rolle's English Classics Incl...... " "</p> <p>Shakespeare and select Eng...... " "</p> <p>Swinton's Studies in Eng. Lit...... " "</p> <p>Manual of Rhymes, selections..... W. B. H.</p> <p>and Phrases..... " "</p> <p>Easy Prob. for Young Think...... " "</p> <p>Ex. for Washington's Birthd...... " "</p> <p>Exercises for Arbor Day..... " "</p> <p>Alden's Studies in Bryant..... A. B. Co.</p> <p>Brook's English..... " "</p> <p>Gilman's First Steps..... " "</p> <p>Gilman's Early Lit...... " "</p> <p>Schoolmaster in Lit...... " "</p> <p>Smith's Studies in..... " "</p> <p>Johnston & Browne's..... U. P. Co.</p> <p>Morgan's Eng. and Am. Lit...... L. S. & S.</p> <p>Intro to the Study of Eng...... " "</p> <p>New Method..... S. B.</p> |
|---|---|

School Board Journal

ABBREVIATIONS: ADDRESSES, EDUCATIONAL PUBLISHERS.

D. Appleton & Co., New York, Chicago.....D. A. & Co.	S. C. Griggs & Co.....S. C. G. & Co.	Maynard, Merrill & Co., New York, Chicago.....M. M. & Co.	Peckham, Little & Co., N. Y. P. L. & Co.	University Publishing Co., New York, Boston.....U. P. Co.
Albert, Scott & Co. Chicago, A. S. & Co.	Harper & Bros., New York, Chicago.....H. & Bros.	G. & C. Merriam Co., Springfield, Mass.....G. & C. M. Co.	Isaac Pitman & Sons, N. Y. I. P. & S.	Williams & Rogers, Rochester, New York.....W. & R.
American Book Co., New York, Cinn., Chicago.....A. B. Co.	Houghton, Mifflin & Co., Boston.....H. M. & Co.	Mutual Book Co., New York, M. B. Co.	Silver, Burdett & Co., Boston, New York, Chicago.....S. B. & Co.	The Werner School Book Co., The W. S. B. Co.
C. W. Bardeen, Syracuse, N. Y. C. W. B.	Wm. Beverley Harrison, N. Y. W. B. H.	Practical Text Book Co., Cleveland, O.....P. T. B. Co.	Sheldon & Co., New York, Chicago.....S. & Co.	Bradlee, Whidden, Boston.....B. W.
E. H. Butler & Co., Philadelphia, Chicago.....E. H. B. & Co.	Wm. H. Jenkins, New York.....W. H. J.	Prang Educational Co., Boston, New York, Chicago.....P. E. Co.	Thompson, Brown & Co., Boston, Chicago.....T. B. & Co.	
Ginn & Co., Boston, New York, Chicago.....G. & Co.	Leach, Shewell & Sanborn, Boston, New York, Chicago.....L. S. S.			

SCHOOL SUPPLIES.

Directory

SCHOOL EQUIPMENT.

This directory has been prepared for the convenience of Secretaries, Boards of Education and school officials who contemplate the erection of school houses and the purchase of School Furniture, Supplies and Equipment. The names of reliable firms only are listed. Write them for estimates and other information.

Apparatus. Thos. Hall & Son.....Boston. L. E. Knott Apparatus Co..... Ziegler Electric Co..... Walsley, Fuller & Co.,.....Chicago. U. S. F. Co..... Boston School Supply House.....Boston. Educational Aid Ass'n.....Chicago. Central School Supply House..... The Caxton Co..... McIntosh B. & O. Co..... Acme School Supply Co..... Greenwood School Supply Co.....Youngstown, O. Standard School Furnishing Co.....Chicago. E. W. Rowles.....	Blinds. H. B. Dodge & Co.....Chicago. Albany Venetian Blind Co., New York. Standard School Furnishing Co.....Chicago. E. W. Rowles.....	Standard School Furnishing Co.....Chicago. E. W. Rowles.....	U. S. F. Co., Chicago, N. Y., Sidney, O. Educational Aid Ass'n.....Chicago. Acme School Supply Co..... C. F. Rasmussen & Co..... W. M. Welch & Co..... Standard S. F. Co..... Mineral Collections. Edwin E. Howell, Washington, D. C. Projection Lanterns. J. B. Colt & Co.....New York. Mucilage. Diamond Ink Co.....Milwaukee U. S. School Furniture Co., Chicago. Acme School Supply Co..... Wm. Bev. Harrison.....New York. Thomas Kane & Co.....Chicago. Central Sch. Sup. House..... A. D. Hobbie.....New York. J. M. Olcott.....New York. Boston Sch. Sup. Co., Boston, Mass. Greenwood Sch. Sup. Co.,Youngstown, O. John E. Potter & Co.,.....Phila. Pa. Educational Aid Ass'n.....Chicago. Standard S. F. Co..... E. W. Rowles..... Pencil Sharpener. Goodell Co.....Antrim, N. H. U. S. School Furniture Co., Chicago. E. W. Rowles..... F. H. Cook & Co., Leominster, Mass. J. L. Hammett Co.....Boston. Program Clocks. Fred. Frick.....Waynesboro, Pa. Physical and Chemical Apparatus. Gundlach Opt. Co., Rochester, N. Y. Ziegler Electric Co.,.....Boston. Walsley, Fuller & Co.,.....Chicago. J. M. Olcott.....N. Y. city. McIntosh B. & O. Co.....Chicago. E. W. Rowles..... L. E. Knott Apparatus Co.....Boston. Relief Maps. Wm. Bev. Harrison.....New York. Central Sch. Sup. House.....Chicago. Edwin E. Howell, Washington, D. C. U. S. School Furniture Co., Chicago. E. W. Rowles..... J. L. Hammett Co.....Boston. School Furniture. The Caxton Co.....Chicago. U. S. School Furniture Co., Chicago, Ill. Bobrick Sch. Furn. Co.....Boston. Chandler Adj. Desk Co., Boston, Mass. Thomas Kane & Co.....Chicago. Central School Supply House..... Educational Aid Ass'n..... Piqua School Furniture Co., Piqua, O. Acme School Supply Co.....Chicago. Cleveland Sch. Fur. Co., Cleveland. N. J. School-Church Fur. Co.,Trenton, N. J. Standard School Furnishing Co.....Chicago. E. W. Rowles..... Kindergarten Supplies. J. W. Schermerhorn & Co., New York. Thos. Charles & Co., Chicago, Ill. E. W. Rowles..... Milton Bradley & Co., Springfield, Mass. J. L. Hammett Co.....Boston. Maple Lanterns. J. B. Colt & Co.....New York. Maps. Wm. Bev. Harrison.....New York. Thomas Kane & Co.....Chicago. Central School Supply House..... E. W. Rowles..... J. M. Olcott.....New York City. Boston School Sup. Co., Boston, Mass. Greenwood Sch. Sup. Co., Youngstown, O. John E. Potter & Co.,.....Phila. Pa. J. L. Hammett Co.....Boston.	Standard S. F. Co., Chicago Greenwood School Supply Co.....Youngstown, O. School Blanks. Oliver Adams Pub. Co., Chicago Ill. Central Sch. Sup. House.....Chicago. U. S. School Furniture Co., Chicago Acme School Supply Co..... School & Office Supply Co.....Grand Rapids, Mich. C. F. Rasmussen & Co.....Chicago. E. W. Rowles.....New York. J. M. Olcott..... Slate. A. D. Hobbie.....New York. U. S. School Furniture Co., Chicago. Acme School Supply Co..... Central Sch. Sup. House..... H. J. Sullivan.....Milwaukee. Standard Sch. Furn. Co., Chicago. E. W. Rowles..... Greenwood School Supply Co.....Youngstown, O. J. L. Hammett Co.....Boston. School and Office Supp. Co.,Grand Rapids, Mich. Second-Hand School Books. C. M. Barnes.....Chicago. Arthur Hinds & Co.,.....New York. School Supplies. Ainsworth & Co.....Chicago. The Caxton Co.....Chicago. Bobrick Sch. Furn. Co.....Boston. U. S. School Furniture Co., Chicago, Ill. J. W. Schermerhorn & Co., N. Y. City. Wm. Bev. Harrison.....New York City. Peckham, Little & Co., New York City. J. M. Olcott.....N. Y. city. Potter & Putnam.....New York City. Boston School Sup. Co., Boston, Mass. Thomas Kane & Co.....Chicago. Central School Supply House, Chicago. A. D. Hobbie.....New York. Educational Aid Ass'n.....Chicago. Acme School Supply Co..... W. M. Welch & Co., Youngstown, O. Greenwood Sch. Sup. Co., Youngstown, O. School & Office Supply Co.,Grand Rapids, Mich. Standard Sch. Furn. Co., Chicago. C. F. Rasmussen & Co..... E. W. Rowles..... Slatting. A. D. Hobbie.....New York. U. S. School Furniture Co., Chicago. W. M. Welch & Co..... Hyatt Slate Co.....Bethlehem, Pa. J. M. Olcott.....New York. Am. Soapstone Finish Co.,Chester Depot, Vt. Standard Sch. Furn. Co., Chicago. E. W. Rowles..... J. L. Hammett Co.....Boston. Sloyd Supplies. Barber & Chandler.....Boston. Hammacher & Schlemmer, New York. Teachers' Agencies. Southern Educational BureauMemphis, Tenn. Central Educ'n'l Bur., Philadelphia. Educational Ex., Providence, R. I. C. A. Scott & Co., Chicago, Ill. Frank B. Spaulding.....Boston, Mass. Albert & Clark Agency.....Chicago. C. W. Bardeen.....Syracuse, N. Y.Boston, Mass. The Fluke Agency.....New York City.Chicago.Toronto.Los Angeles. Teachers' Co-oper. Ass'n.....Chicago. Albany Teachers' Agency.....Albany. Colorado Educational Bureau.....Denver. Winshell's Teachers' Agency, Chicago. Metropolitan Teachers' Agency.....Chicago. Orville Brewer.....									
Architects. F. S. Allen.....Joliet, Ill. H. C. Koch & Co., Milwaukee, Wis. Van Ryn & Lesser..... Reeves & Baile.....Peoria, Ill. Geo. Palliser.....New York. Thomas & Rapp.....Chicago.	Book Covers. Wm. Bev. Harrison.....New York. Holden Book Cover Co.....Springfield, Mass.	Charts. Wm. Bev. Harrison.....New York. Boston School Sup. Co., Boston, Mass. Potter & Putnam.....New York City. John E. Potter & Co., Philadelphia Pa. Thomas Kane & Co.....Chicago. Central School Supply House..... Educational Aid Ass'n..... The Caxton Co..... U. S. School Furniture Co..... Acme School Supply Co..... Greenwood Sch. Sup. Co., Youngstown, O. Standard School Furnishing Co.....Chicago. E. W. Rowles..... J. L. Hammett Co.....Boston.	Heat Regulation. Johnson Electric Service Co., Chicago, Boston, New York, Milwaukee. Heating and Ventilation. Peck-Williamson Co., Cincinnati. Fuller & Warren Co., Chicago.	Artificial Slate. A. D. Hobbie.....New York. Am. Soapstone Finish Co.,Chester Depot, Vt. The Caxton Co.....Chicago. Bobrick Sch. Furn. Co.....Boston. U. S. Sch. Furn. Co.....Chicago. J. W. Schermerhorn & Co., N. Y. City. Wm. Bev. Harrison..... Peckham, Little & Co..... Potter & Putnam..... Boston Sch. Sup. Co., Boston, Mass. Thomas Kane & Co.....Chicago. Central Sch. Sup. House..... Educational Aid Ass'n..... Standard School Furnishing Co..... School and Office Supp. Co.,Grand Rapids, Mich.	Badges. Bunde & Upmeyer.....Milwaukee.	Ceilings—Metal. H. J. Sullivan.....Milwaukee, Wis.	Diagrams. C. E. Ricketts.....Chicago. E. W. Rowles..... Sheppard & Co., Columbus, O.	Dry Closets. Peck-Williamson Co., Cincinnati. Fuller & Warren Co., Chicago.	Erasers. Wm. Bev. Harrison.....New York. Peckham, Little & Co., New York City. W. H. Londergon.....Duncan Park.....Chicago Ill. J. M. Olcott.....New York. U. S. Furniture Co.....Chicago. Boston School Supply House.....Boston. Thomas Kane & Co.....Chicago. Central School Supply House..... Educational Aid Ass'n..... The Caxton Co..... Acme School Supply Co..... Greenwood Sch. Sup. Co., Youngstown, O. Standard School Furnishing Co.....Chicago. E. W. Rowles..... A. D. Hobbie.....New York. J. L. Hammett Co.....Boston. School and Office Supp. Co.,Grand Rapids, Mich.	Flags. H. Channon Co.....Chicago. Geo. B. Carpenter & Co..... J. A. Joel & Co.....New York. Wm. Bev. Harrison.....New York. Peckham, Little & Co..... W. H. Londergon, & Co., Duncan Park.....Chicago. J. M. Olcott.....New York. U. S. F. Co.....Chicago. Boston Sch. Sup. House.....Boston. Thomas Kane & Co.....Chicago. Central Sch. Sup. House..... Educational Aid Ass'n..... The Caxton Co..... E. W. Rowles..... Greenwood Sch. Sup. Co., Youngstown, O. J. L. Hammett Co.....Boston.	Ink Wells. The Caxton Co.....Chicago. Thomas Kane & Co..... Central School Supply House..... J. M. Olcott.....New York U. S. Sch. Furniture Co.....Chicago. Bobrick Sch. Furniture Co., Boston. Chandler Adj. Desk Co., Boston, Mass. Educational Aid Ass'n.....Chicago. Favorite Seat & Desk Co., Cleveland. Piqua Sch. Furniture Co., Piqua, O. Standard School Furnishing Co.....Chicago. E. W. Rowles..... J. L. Hammett Co.....Boston.	Black Boards. A. D. Hobbie.....New York. Thomas Kane & Co.....Chicago. Central School Supply House..... The Caxton Co..... Potter & Putnam.....New York. J. M. Olcott..... U. S. F. Co.....Chicago. Educational Aid Ass'n..... H. J. Sullivan.....Milwaukee, Wis. Acme School Supply Co.....Chicago. Greenwood Sch. Sup. Co., Youngstown, O. Standard School Furnishing Co.....Chicago. Am. Soapstone Finish Co.,Chester Depot, Vt. J. L. Hammett Co.....Boston.	Boilers. American Boiler Co.....Boston

ACME SCHOOL SUPPLY COMPANY,

MANUFACTURERS OF

ALSO DEALERS IN

THE PEERLESS BLACK BOARD.

SCHOOL FURNITURE AND SUPPLIES.

Special Prices on All

The best artificial slate black board on earth, far superior to real slate at half the price. These boards are used in Chicago, Racine, and many other city schools. Write for particulars.

School Papers, Inks, Erasers, Globes, Maps, Charts, Crayons, and all styles of Black Boards. Agents Wanted.

171 and 173 Randolph Street, CHICAGO, ILLINOIS.

PATRIOTIC SCHOOLS.

True patriotism, which finds its expression in an efficient educational system and good school buildings, rather than in the shot of a fire cracker or a balloon ascension, rests also upon a series of what appear, to average minds, minor considerations. The combination of all



**Warming
and Ventilating**

Modern School Buildings.

makes a complete whole. A school house without a roof would be considered incomplete, but a roofless school is preferable to one having a defective heating plant. It is a source of vexation and continuous expense. The Fuller & Warren system is as staple as wheat. Its very name is a guarantee of efficiency, economy and utility.

SCHOOL WARMTH.

The Fuller & Warren system is not an experiment. It is not only the most economical, but the most serviceable. Hundreds of proofs furnished. The best school buildings in the United States are equipped with it. School officers attest to its utility.

SCHOOL HEALTH.

The Fuller & Warren system of Sanitary Cremating Closets and odorless Ventilated Slate Urinals are absolutely sanitary. They positively destroy every vestige of excreta. The entire system is separated from class room ventilation and guaranteed to be entirely free from odor in the building.

For full particulars, information and catalogues referring to hundreds of buildings now equipped by us apply or address:

FULLER-WARREN CO., Milwaukee, Wis. COMMON SENSE WARMING AND VENTILATING CO., Dallas, Tex.

Fuller & Warren Warming and Ventilating Co. Chicago.

MICHIGAN CENTRAL

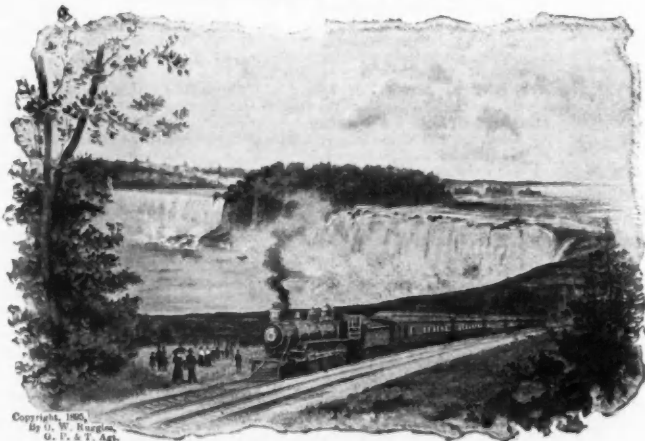
"The Niagara Falls Route."

A First-Class Line

For First-Class Travel

Chicago to Buffalo

NEW YORK, BOSTON AND THE EAST
VIA NIAGARA FALLS.



NIAGARA FALLS FROM FALLS VIEW STATION.

"Nothing can be added in the way of favorable comment on this excellent line. The main line is as near perfection in the way of construction appointment, service and able management, as can be conceived in modern railroading."—Official Report of Commissioner of Railroads.

Send for the handsome little book, "Notes for Teachers," with valuable information relative to Buffalo and Niagara Falls in connection with the meeting of the National Educational Association at Buffalo, in July.

Michigan Central rate, its lowest limited first-class fare for the round trip.

For sleeping car accommodation and any special information, address,

O. W. RUGGLES,
Gen. Passenger and Ticket Agent,
CHICAGO, ILL.

L. L. CAUFY,
Wisconsin Passenger Agent,
89 Mason Street, MILWAUKEE.

Chicago College of Dental Surgery

DENTAL DEPARTMENT OF LAKE FOREST UNIVERSITY.



THE COLLEGE BUILDING.

Southeast corner Wood and Harrison Sts.,—the Medical Center of the City.

Teachers and students contemplating taking a course in dentistry should address

DR. TRUMAN W. BROPHY, DEAN,
126 STATE STREET, CHICAGO, ILL.

GREAT RELIEF MAPS AT THE N. E. A.



F. J. ALBRECHT EXHIBITING THE RELIEF MAPS.

Whenever and wherever our Relief Maps have been exhibited they have secured the endorsement of the educational public. As an aid in teaching geography they stand unrivaled. They are now in use in hundreds of schools and have received the highest testimonials from eminent educational authorities.

WHAT SUPT. EMERSON SAYS:

BUFFALO, N. Y., FEB. 7th, 1896.

TO WHOM IT MAY CONCERN:

I have no hesitation in saying that the 21 sets) Relief Maps manufactured by the Central School Supply House are of the greatest aid to us in the teaching of geography. There has never been so great an interest shown in the subject as since the introduction of these maps.

HENRY P. EMERSON, Supt.

SUPT. BABCOCK SPEAKS:

DUNKIRK, N. Y., DEC. 3d, 1895.

TO WHOM IT MAY CONCERN:

At a regular meeting held last evening our School Board purchased eight (8) sets of Relief Maps through a representative of the Central School Supply House of Chicago, Ill.

This is undoubtedly one of the most progressive steps taken by the Board and will do much towards placing the study of Geography in our schools upon a thorough scientific and reasonable basis.

The proper interpretation of "Relief" is the keynote to all useful geographical knowledge. I have long desired such maps as these to use in connection with sand modeling.

Now our pupils can learn to THINK and REASON in Geography as well as in Arithmetic.

(Signed) J. W. BABCOCK,
City Supt. of Schools.

Write for Illustrated Circulars and full particulars, and for complete Catalogues giving prices on everything used in a school room.

CENTRAL SCHOOL SUPPLY HOUSE, CHICAGO, ILL.



DR. HIRAM LANDIS GETZ,
President Board of Education, Marshalltown, Ia.

Dr. Getz, who has contributed a large share towards the educational interests of his community, is a native of Lancaster county, Pa. He received a good education before entering upon the study of medicine, in which profession he graduated with special honors in 1874. In his chosen profession he has displayed unusual activity and performed a number of difficult operations successfully, and has been chosen a member of the various state and medical associations. He has also distinguished himself as a writer on topics pertaining to his profession. His contributions

have been in the leading medical journals of the country.

Besides leading an active professional life, Dr. Getz has found time to give some attention to educational interests. It may be said to his credit that his splendid executive ability and intellectual attainments have been invariably applied in the right direction, and in the interests of the educational system over which he now presides. He has always taken great pleasure in laboring for the interest and welfare of children and others younger than himself. He would rather, if he could have the good will of either children or adults, have that of the former if it must be from one, and therefore not only takes pleasure but pride in the management of school affairs.

His seven year's work as a member of the Iowa State Industrial School was highly complimented by Ex-Governor Larrabee and Ex-Governor Horace Boies during their administrations as Chief Executives of the State.

In 1889 Dr. Getz was appointed by the board of education to fill a vacancy, and upon the following term in March was elected for the full term of three years. During this time he served upon several important committees as chairman. Believing that when duties are assumed by a member of a board of education, that the work ought to be done by such officials, he has given much of his time and attention to school work, thus enabling himself to discover deficiencies and equipping himself most thoroughly to carry out needed reforms in school management. He incurred, by his vigorous course, the displeasure of the superintendent and several members of the then board. He was strongly urged to permit his candidacy for re-election, and for reasons already stated,—exceptional pleasure and pride in the work,—consented. The opposition, however, which had been incurred, owing to his vigorous

and progressive policy, led to his defeat. Being positive that the causes he had espoused and the reforms recommended, regarding the same of vital necessity in the interests of the school, he determined to remain in the field until vindication came. He was defeated a second time in March, 1894, by a few votes.

The following year, however, he was elected by the largest vote ever given any man for any public office in the city of Marshalltown. The vindication had come and Dr. Getz worked as enthusiastically and loyally as he had before. He soon found followers, and the succeeding year was elected president of the board of education and presented with a twenty pound gavel upon assuming the chair. His abilities have now found an opportunity to exert themselves in the direction of beneficent results. He has already had the pleasure of seeing brought about some of the reforms he had so earnestly advocated during his former term, and he now hopes for a just, fair, practical and efficient school administration, and the maintenance of a meritorious and creditable standard for the Marshalltown public schools.

This biographical sketch, briefly put, illustrates to what extent a most busy professional man, of high and unselfish motives, may be helpful in advancing the educational interests of his community. It illustrates a busy life, helpful in several directions, and such as is a blessing to any community wherever it may unfold itself. We congratulate the city of Marshalltown for the splendid man at the helm of its educational system.

"SUMMER HOMES AND TOURS,"

A beautifully illustrated book, list of over 3,000 Summer Hotels and Boarding Houses along the Hudson, in Catskill Mountains, and Northern New York. Send eight cents in stamps, to H. B. Jagoe, General Eastern Passenger Agent, West Shore R. R., 303 Broadway, New York, or free upon application.



THE CHICAGO KINDERGARTEN COLLEGE.

A WORD IN SEASON.

"I'll take a class of 'grown-ups,' if you think I ought to help," said a brilliant woman to a Sunday school superintendent, "but I won't take children. I'll discuss religion, theoretical or practical, with any theologian in the country, but my soul recoils from the bare idea of being its exponent to children. I'm not capable, and you must not ask me to try. Get a good kindergartner for the infants, and if you must use raw help use it on the adults." What an anomaly? this woman would have been only a few years ago! Yet today we recognize in her only what we are pleased to call "common sense." It is fairly common, but not one hundredth part so common as it ought to be, or as it will be as time goes on.

It took close on six thousand years to prepare the world for the education of its children, yet when that preparation shall have been grasped and applied as it ought, the millennium, one thinks, will be close at hand. It took close on six thousand years to teach the world that reformation is better than arbitrary punishment, and when we shall thoroughly have learned that formation is better still, it will not be too much to expect the fulfillment of the prophecy "the wolf shall dwell with the lamb, and the leopard shall lie down with the kid; and the calf and the young lion and the fatling together; and a little child shall lead them!"

Fröbel called his science the science of motherhood, but no word or set of words does it the justice of the common term, kindergartening—child-gardening. In it we get the full analogy, almost; certainly the most vivid word-picture. Long ago the gardener learned that violets have a different life than marigolds; that roses grow in sunshine but fuchsias must have shade; that too much care kills as effectively as too little, and proper growth demands not only the right

quantity but the exact quality for each individual blossom. Mothers and teachers were long in learning the kinship of child-nature to the rest of God's creation, but the lesson has taken root, now, and put forth sufficient flower to make manifest what a harvest may be expected when kindergartening is as well understood and applied as flower-gardening, or market-gardening, or fruit-production. Nor is this millennial time any longer a question of readiness, but rather of ways and means. The world has long since been completely won to Fröbel's doctrines,—or, if not completely, in so large measure that the remnant scarcely counts,—and the cry now is, "how shall I learn to live with my children?" who will teach me, and where?" Not from Macedonia, but from the homes of your immediate neighborhood, and mine, as well as from the homes of the poor mothers of lesser opportunities than ours, who realize that there is a new something of advantage which they want to give their children, comes the clarion cry for help. As of old, "the harvest is white and the laborers are few." Nor will raw recruits do in any emergency. It must be skilled labor or none at all, in this crisis, and yet thousands of women are yearly inquiring, through the press and of their friends, "what can I do to earn my bread?"

If you are a good woman, and true, you can face the disagreeable fact that most paying employments tend to unfit

women for subsequent usefulness in the home, through the saving thought that there is one, at least, which, far from it, will make you a better woman, in every sense, than you are now. You can meet the men who say that women make so few successes, comparatively, in professions, because they intend, in most cases, to make of them only a temporary shift—pending a home settlement, by pointing to the profession into which women may throw themselves with unreserved ardor because they know that every least success therein means a greater capability for any of the claims which the future may impose upon them; and this they may do, while filling the present with a fullness which makes every day seem well-spent, and with a sense of having combined a beautiful service with an honorable sustenance.

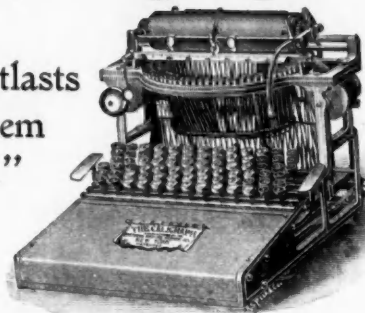
Inquiry at the Chicago kindergarten college, confirmed the report that in this profession, which should be the first choice of every woman, the demand for capable teachers is far greater than the supply. Herein is no over-crowding, no competition with men. Here are no long, taxing hours of monotonous occupation. Here is no stern necessity of suppressing all energies but the money-making ones; for culture, broad and wide and deep, is the capital stock of kindergartening, and the kindergartner knows that every good book she reads, every fine concert she hears, every journey she takes into the worlds of thought or sight or feeling is another round climbed in the ladder of her

Our Latest Booklet

Contains eight testimonial letters. These sum up the experience of thousands who use the

Caligraph

"It
Outlasts
Them
All"



Typewriter

A copy will be sent on request. It should be read by every one interested in Typewriters.

AMERICAN WRITING MACHINE CO.
237 BROADWAY, NEW YORK.

profession. Here, too, is a profession which meets with ready honor wherever it goes, a profession which is accounted a crown to any woman, as motherhood itself is, and which will command for its wearer a quicker and warmer recognition among those elect circles where large aims make a rare atmosphere, than almost any other calling.


High school and college teachers should urge these facts on their most promising young women pupils. Mothers should bear them in mind when influencing their daughters in the choice of a career. Girls should take note of them, and not only girls but women, for whatever may be the preference for youth in other callings, here is one to which a woman cannot bring too much ripeness of heart and mind, too much of the valuable experience which life gives to the earnest soul. To all of these say: "If God calls you, in time to be a mother, you will have had a preparation for those tender, sacred duties for which you will be thankful to the choice or circumstance which made you a kindergartner. And if, in His Providence, you are elected to a childless life, you can mould it in the image of that childless life of Fröbel's, of whom it might be said that Heaven made him no one's father that he might become the guardian angel of all childhood."

CLARA E. LAUGHLIN.

New York. The superintendent recommended to the board that no teacher should be required to teach more than forty pupils at a time.



The above is of a thousand original illustrations specially prepared for The Peoples' Standard History of the United States, by Edward S. Ellis, M. A., including over thirty original photogravures and colored illustrations, also many portraits and maps. Woolfall Publishing Company, New York.



**LEACH
SHEWELL &
SANBORN**

The Educational Series of

VERTICAL PENMANSHIP

By ANNA E. HILL,
Supervisor of Penmanship in the schools of Springfield,
Massachusetts.

PROGRESSIVE — EDUCATIONAL.

Made by the **FINEST PENMAN** and the **MOST SUCCESSFUL INSTRUCTOR** of penmanship connected with the **NEW ENGLAND SCHOOLS**.
Copies engraved by the best available talent.
These Copy-Books present features of **SUPERIORITY** over all competitors.
Prices low. Terms reasonable.
Samples cheerfully furnished to Superintendents, Teachers, or Members of Boards of Education. **CORRESPONDENCE SOLICITED.**

LEACH, SHEWELL & SANBORN,
110-112 Wabash Avenue, CHICAGO.

SUMMER MUSIC SCHOOL.

The American Book Co. announces the second session of the New School of Methods in Public School Music. There will be an Eastern and a Western division of the school. The former to be held at Hingham, near Boston, July 13-25, and the latter in Chicago, August 10-22.

The purpose of the school is to give a thorough course of instruction to those who wish to make a specialty of public school music and to present new methods to those who are already engaged in the work.

Aside from the very strong faculty and thorough course of study, the school is of unusual interest because its work is based upon a comparatively new system of public school music, namely, The Natural Music Course, by Messrs. Frederick H. Ripley and Thomas Tapper. This course was issued something less than a year ago and the remarkable favor with which it has been received is evidenced by the fact that it has already been adopted in more than two hundred cities and towns. The course is characterized by its simplicity, the logical and systematic development of the subject, and the excellent quality of the material. The following is the list of instructors and lecturers named in the announcement:

Mr. Frederick H. Ripley, and Mr. Thomas Tapper, the authors of the course; Mr. Wm. L. Tomlins, of Chicago; Mrs. Emma A. Thomas, supervisor of music in the public schools, Detroit, Mich.; Miss Julia Ettie Crane, of the Pottsdam, N. Y., State Normal school; Mr. G. Stanley Hall, Worcester, Mass.; Prof. W. S. B. Matthews, Chicago, Ill.; Miss Mathilde Coffin, assistant superintendent of public schools, Detroit, Mich.; Mr. J. N. Ashton, Providence, R. I.; Miss Nannie C. Love, Muncie, Ind.; Mr. P. M. Bach, Colorado Springs, Col.; Mr. Herbert Griggs, Denver, Col.; Mr. A. W. Knowlton Boston, Mass.

The department of physical culture will be under the direction of the eminent teacher, Mrs. Louise Preece, of Minneapolis, Minn. Penmanship will be taught by Mr. Hollis E. Dann, of Ithaca, N. Y., and Mr. C. C. Curtis, of Minneapolis, Minn. There will also be a department of drawing, (the instructors not yet announced).

The leading members of the faculty and the lecturers are people of national reputation, and it is seldom that students at a summer normal school have the opportunity of meeting so many distinguished instructors. It is to be hoped that many teachers will avail themselves of these advantages and that superintendents and members of school boards, who are considering the adoption of a music course, will take this opportunity to investigate the Natural System.

By correspondence with the American Book Co., 521 Wabash avenue, Chicago, or 55 Franklin street, Boston, full information can be obtained.

Baltimore, Md. Board adopted a rule which prohibits any teacher from giving private instruction to a pupil attending the school in which such teacher is employed.

Houghton, Mich. The board voted that in the future teachers will not be hired until September and then only after having been recommended by the superintendent.

MAGAZINES RECEIVED.

The Century for July. Published by the Century Co., New York. Price 35c.

The Forum for July. Published by the Forum Publishing Co., New York. Price 25c.

Harper's Magazine for July. Published by Harper Bros., New York. Price 35c.

Review of Reviews for July. Published by the Review of Reviews Publishing Co., New York. Price 25c.

Scribner's Magazine for July. Published by Chas. Scribner's Sons, New York. Price 25c.

The Lotus for June. Published by the Hudson-Kimberly Publishing Co., Kansas City, Mo. Price 5c.

The North American Review for June. Published in New York. Price 50c.

The Ladies' Magazine, devoted to Fashions and the Home, for July. Published by the Standard Fashion Co., New York. Price 5c.

The "Standard" Designer of Fashions, Fancy Work and Millinery, for July. Published by the Standard Fashion Co., New York. Price 10c.

PUBLICATIONS.

List of Active and Life Members of the National Educational Association of the United States. Revised May 1, 1896. Proceedings of the Department of Superintendents of the National Educational Association at its meeting in Jacksonville, Fla., Feb. 18-20, 1896.

THE OLMSTED ARTIFICIAL STONE BLACKBOARD.

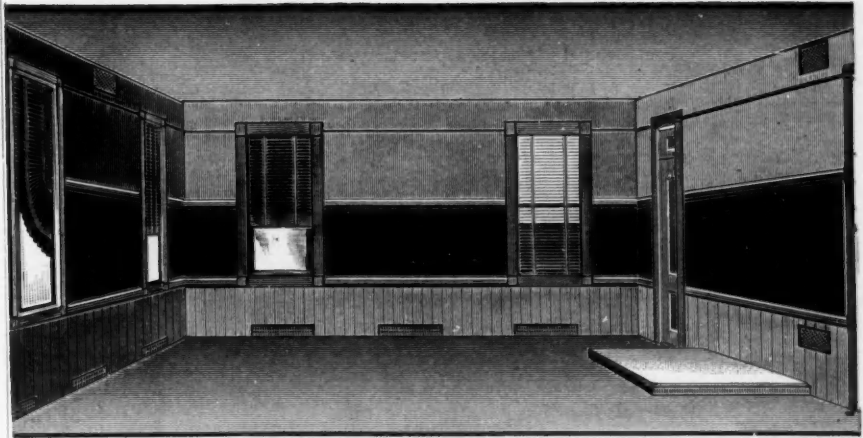
Owned and manufactured exclusively by the

Standard School Furnishing Co.

CHICAGO, ILL.

SUCCESSORS TO THE

ARTIFICIAL STONE BLACKBOARD and VENETIAN BLIND departments of
W. A. OLMSTED.



THE BEST BLACKBOARD ON EARTH.

No Seams, No Joints, One continuous dead black surface. Its durability has been proven beyond question. Preferred to Natural Slate. In use in New York, Chicago, Pittsburg, Cincinnati, Indianapolis, Columbus, Washington, D. C., and hundreds of other places.

Allow free
Circulation of
Air.

VENETIAN BLINDS

Control the
Light Perfectly.

USED IN MODERN SCHOOLS EVERYWHERE.

We Are Also Headquarters for

**Automatic and Adjustable School Desks, Maps, Globes,
Charts and School Supplies of all kinds.**

Send for catalogue and particulars to

STANDARD SCHOOL FURNISHING COMPANY, 24-26 Adams Street, Chicago.
114 Fifth Avenue, New York.

We Furnish Schoolhouses Throughout!



SCHOOL SEATS: (Adjustable and Stationery.)

SCHOOL and CHURCH BELLS: (Steel Bells, best quality of cast steel Bells are cast by an entirely new process unlike any other. Every bell selected with the greatest care. Send for catalogue.)

MAPS: Johnson's, Rand, McNally, Kiepert's—Wall Maps, Single maps, or in case to suit the customer. Special prices.

SCHOOL GLOBES: Specially designed and carefully made to meet modern work.

FLAGS: U. S. Flags: (Best quality Standard Wool Bunting).

SMITH'S IMPROVED SCHOOL REGISTER:

The most comprehensive and intelligently designed school register on the market.

BLACK BOARD: Real slate at extraordinary low prices. Prices furnished on application.

SCHOOL BLINDS AND WINDOW SHADES.

SCIENTIFIC APPARATUS: Bids furnished on specified orders.

Everything in the line of School Furnishing and Decoration. Send for Catalogue.

**AGENTS
WANTED.**

Wisconsin School Supply Co., 204 Grand Ave., Milwaukee.



Send for _____

PRICE LIST

OF _____

SCHOOL SUPPLIES

Containing a complete list of all goods
required by Teachers, Principals, etc.,
for Educational purposes. . . .

ACME SPELLING BLANKS,
STUDENTS' NOTE BOOKS,
DRAWING BOOKS,
VERTICAL WRITING PAPERS,
QUINCY PRACTICE PAPERS,
COMPOSITION BOOKS,
EXERCISE BOOKS, ETC.

Acme Stationery and Paper Co.,

NORTH NINTH ST., AND WYTHE AVE.,

BROOKLYN, N. Y.

HAVE REMOVED!

The W. A. Olmsted Company have removed to the A. H. Andrews building, 215-217 Wabash Ave., where, with better facilities, better light and more room, we are enabled to handle our business with greater dispatch. Will be glad to greet our customers in our new quarters.

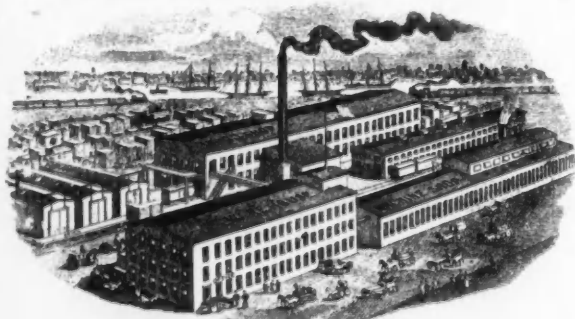
W. A. OLMSTED, School Supplies, Wholesale and Retail,
215 and 217 Wabash Avenue, Chicago.

A SCHOOL DESK FACTORY.

When the demand for school furniture is brisk the various departments of first-class factories present an interesting scene. The various processes through which the raw iron and lumber, which is piled in close proximity to the buildings, must pass through would offer an interesting study to manual training teachers and students and would lend a higher appreciation for a good school desk, when considered for purchase by school boards.

The amount of labor and skill which goes into the average modern school desk is remarkable, when the low prices asked for them are considered.

A visit to the plant of the Manitowoc Seating Co., located at Manitowoc, Wis., revealed a series of buildings, conveniently grouped to meet the wants of this industry, and located to secure easy shipping facilities both by water and rail.



Factory of the Manitowoc Seating Co., Manitowoc, Wis.

A foundry, where the iron castings for school desks are made, is followed by wood working and finishing rooms, stock and shipping rooms, forming in all a large and well arranged, well equipped manufacturing plant.

The present manager of the school furniture department is J. B. Furber, an experienced man, who

was formerly connected with the Grand Rapids Seating Co. He assumed his present position some months ago and has, since that time, manifested the same untiring energy which characterized his work with the other company. Mr. H. H. Murphy is the secretary and manager of the company. He has been active in this branch of industry for a number of years, and did much in bringing the school desk to its present state of perfection.

The other officers of the company are Thos. E. Torrison, president; E. M. Platt, vice-president; L. R. Peebles, superintendent; William Gutman, secretary. Its branch offices are located at Boston, Mass., Buffalo, N. Y., Pittsburg, Pa., San Francisco, Cal., Des Moines, Ia., Chicago, Ill., 22-24 East Van Buren street.

The Manitowoc Seating Co. is known far and wide as the manufacturer of the "Oxford" desk. It has recently brought out an adjustable desk which resembles in appearance the regular stationary or standard desk. It has several fine features and promises to take a universal and permanent place in the school furniture market.

THE SEA SIDE & WHITE MOUNTAIN SPECIAL.

THE FINEST TRAIN IN THE WORLD.

A solid Pullman wide vestibuled train from Chicago to Niagara Falls, Thousand Islands, St. Lawrence river, Adirondacks, White Mountains and the sea-side resorts of the Atlantic coast.

Commencing Wednesday, June 24th, and each Wednesday thereafter, until and including August 26th, 1896, the Grand Trunk Railway System will run a solid Pullman Wide Vestibuled Train from Chicago to Portland, Me., as follows:

Leave Chicago Wednesdays, 5:00 p. m., arrive Niagara Falls Thursdays, 8:55 a. m., leave Niagara Falls Thursdays, 7:10 p. m., arrive at Kingston Wharf Friday mornings, connecting with steamers for daylight ride through the Thousand Islands and the Rapids of the St. Lawrence to Montreal, arriving at Montreal 6:30 p. m. Fridays. The train arrives there Fridays, noon. Passen-

gers preferring afternoon and evening at Montreal to the river trip, will remain on the train. Passengers for the Adirondack region make connection via Prescott and Ogdensburg or Montreal and Plattsburg. Leave Montreal 1:00 a. m. Saturdays, passing North Stratford, 7:07 a. m., (junction point with the Main Central R. R. for Twin Mountains Fabyans, Crawford Notch, etc.); passing Groveton Junction (junction of Boston & Maine R. R. for Mt. Jefferson, Bethlehem, Profile House, Fabyans etc.), 7:22 a. m.; passing Gorham, the gateway of the White Mountains, 8:45 a. m., connecting with stages for summit of Mount Washington, connecting at Berlin Falls, Bethel and Bryant's Pond, with stages for the Rangely Lakes, and at Danville Junction with stages for Poland Springs, and with Maine Central R. R. for Bar Harbor (Mt. Desert), arriving at Portland shortly before noon Saturdays, within reach of all sea-side and mountain resorts of the coast in this vicinity the same day.

This train is lighted by electricity, and is composed entirely of Pullman Wide Vestibuled cars, as follows: A Pullman Wide Vestibuled Composite car, containing baggage compartment, electric light plant, barber shop, bath room etc.; a Pullman Wide Vestibuled dining car, Sleeping and Drawing Room cars, containing every known modern improvement, a Pullman Wide Vestibuled Combination Sleeping, Library and Observation car. The cars are finished in mahogany and vermillion, frieze plushes of fawn, empire green and steel blue, are used in the upholstery; the rich tints of the mahogany, the blue and gold of the decorations and the upholstery, together with the carpets, draperies, varied shades of the furnishings, lounges and easy chairs, present a picture of comfort and luxury absolutely without an equal on any train in the world.

Pullman fares, including meals, also prices of tickets available on this train, will be found in "Sea-Side and White Mountain Special," folder furnished or mailed free on application. Early application should be made and accommodations secured and paid for as the capacity of the train is limited. Reservations not paid for two days prior to departure of train, will be disposed of to other applicants.

West bound train leaves Portland 9:00 p. m. Sunday, June 28th, and each Sunday thereafter to and including August 30th, arriving Chicago 10:45 a. m. following Tuesdays.

A special agent of passenger department as well as "a lady attendant," accompanies these trains through to destination and return, through the finest scenery in the world, to the finest summer resorts in the world, on the finest train in the world. Intending summer tourists should apply or send their addresses to

L. R. MORROW,
Ticket Agent Grand Trunk R'y System,
103 South Clark Street, Chicago, Ill.

NEW ARITHMETICS.

Brooks's Rudiments of Arithmetic.
Brooks's Standard Arithmetic.

BY
EDWARD BROOKS, A. M., Ph. D.,

Supt. of the Public Schools of Philadelphia; Member of the celebrated "Committee of Fifteen"; Author of the famous Brooks's Mathematical Series.

These books are entirely new and are based on the principles which have made Dr. Brooks's books always popular and lasting with efficient teachers. In amount of contents and in grading they are adapted to modern requirements.

NEW SPELLING BOOKS.

The Primary Word Builder.
The Advanced Word Builder.

BY
A. J. BEITZEL, A. M.,

Superintendent of Cumberland Co., Pa., Public Schools.

Two consecutive, progressive, logical, systematic spelling-books. They fit common school work. Well printed, cloth bound.

NEW GRAMMARS.

Welsh's First Lessons in English.
Welsh's Practical English Grammar.

BY
JUDSON PERRY WELSH, Ph. D.,

Principal of Bloomsburg, Pa., State Normal School.

Two carefully graded teachable books, treating the English language as a living, growing thing which must be studied by ample comparison and illustration.

Brooks's New Normal Mental Arithmetic.

Used wherever Mental Arithmetic is taught. Adopted in 1895 for the entire states of West Virginia and Oregon.

Brooks's Algebras, Geometries and Trigonometries.
Westlake's Common-School English Literature.
Lyte's Book-keeping and Blanks.
Magill's Reading - French Series.

CHRISTOPHER SOWER CO.,

Publishers,

614 Arch Street....PHILADELPHIA

BUCKEYE BELL FOUNDRY,
—CINCINNATI, O., U. S. A.
Best Grade Copper and Tin
School, College & Academy **BELLS**
Price and Terms Free. Name this paper.

CINCINNATI BELL FOUNDRY
—CINCINNATI, OHIO.
SOLE MAKERS OF THE "BYMYER" BELLS
FOR CHURCH, SCHOOL, FIRE ALARM &c.
Catalogue with 2500 testimonials. Prices and terms FREE.

MENEELY BELL COMPANY,
Clinton H. Meneely, General Manager.
TROY, N. Y., and NEW YORK CITY,
MANUFACTURE
SUPERIOR BELLS.

AT LAST!
AN
ELECTRIC LIGHT
for Your NECKTIE.
\$1.50.
OHIO ELECTRIC WORKS, Cleveland.

SALARY By house of twenty years' standing to a lady or gentleman teacher, first willing to learn our business, then to travel, all expenses paid, or to do office work and correspondence. Salary \$800.00. Enclose self-addressed stamped envelope to S. C. KNOWLES, Sec'y, 3855 Ellis Ave., Chicago, Ill.

GOLD, SILVER, NICKEL & METAL PLATING.
\$50 a Week—Gents or Ladies, at home or traveling, taking orders, using and setting Prof. Gray's Platers. Plates watches, jewelry, tableware, bicycles, &c. No experience, heavy plate, modern method, guaranteed. We do plating, manufacture of all sizes. Teach the art. Outfits complete, all tools, lathe, materials, &c. ready for work. Secrets and formulae FREE. No toys. **WHITE.** Testimonials, samples FREE. **H. Gray & Co., Plating Works, Columbus, O.**

OXYSALTS. In the part of France where I was born, and they never use cosmetics, but a simple domestic remedy prepared in nearly every household. There is nothing disagreeable in its application or harmful in its effects, and a change will be noticed in the skin in one day. When first discovered it was only supposed to bleach the skin, but the friction used in applying it ERADICATES WRINKLES and leaves the face firm & smooth. After a few applications **Pimples, Tan, Blackheads and Sunburn** will entirely disappear. During its use all powders and lotions are to be avoided, nothing being used but soft water and OXYSALTS, for it is a process of cleansing, not covering up impurities. Full directions for use accompany OXYSALTS—by mail. **One Month's Treatment Only 25 cents.** or for 50 cents I will send one month's treatment and sell the recipe with full directions for making and using. You will then be able to prepare the OXYSALTS yourself at a cost of less than 20c a year. **E. C. LATOBBE, Station C., St. Louis, Mo.**

AGENTS WANTED by large Factory. Free outfit. Many teachers handle. One earned \$40 a week last year; many \$10. P. O. 1371, New York.

\$525 Agents' profits per month. Will prove it or pay forfeit. New Articles just out. A \$1.50 sample and terms free. Try us. **Chidester & Son, 28 Bond St., New York.**

"Another Loved One Gone." A new mixed quartette, suitable for Funeral services. Price 10c. **G. E. SNYDER, Station Y, Chicago.**

LADIES! MAKE BIG WAGES doing pleasant home work, and will gladly send full particulars to all sending 2c. stamp. **MISS A. L. STEBBINS, LAWRENCE, ICH.**

SALESMAN WANTED—\$100 to \$125 per month and expenses. Staple line; position permanent and desirable. Address with stamp, **King Mfg. Co., T 106, Chicago**

THE EARTH A most fascinating and valuable magazine for Home and School, only 50c a year. Sample copies, 5c. **The Earth Publishing Co. Des Moines, Ia.**

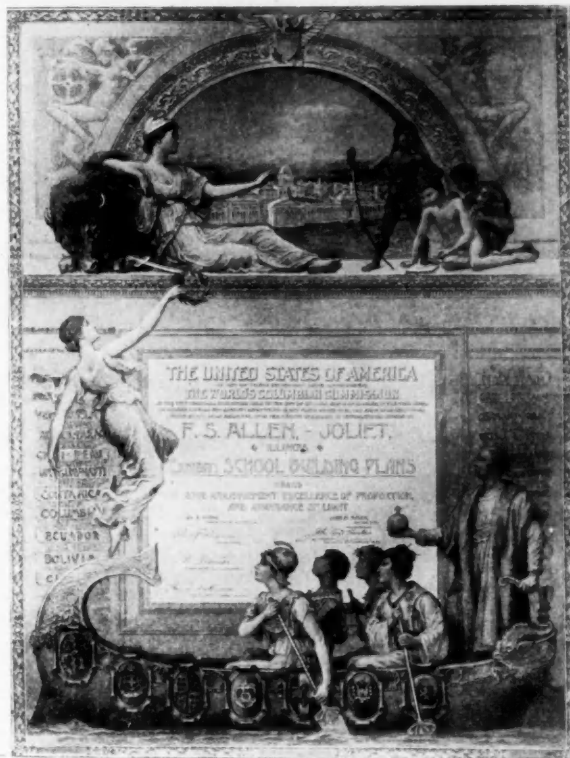
WANTED—AGENTS to sell a practical device or dispose of territory. Our agents are making from \$25 to \$80 per week. Address the **U. D. Novelty Co., Upper Sandusky, Ohio.**

STUDY LAW, AT HOME
Systematic and thorough courses taught by able and experienced teachers. Splendid opportunity for a legal education. Send stamp for full particulars. **Chicago Correspondence School of Law, Reaper Block, CHICAGO, ILL.**

CIVIL SERVICE EXAMINATIONS
Are held in every state. We can prepare you thoroughly by mail for any examination in the Postal, Customs, Railway, Mail, Indian, Internal Revenue Services, the Departments at Washington and Government Printing office. 4000 appointments made annually. Information as to dates, places, salaries, etc., FREE if you mention "American School Board Journal." Write to-day. **NAT. CORRESPONDENCE INSTITUTE, WASHINGTON, D. C.**

BLAINE'S MANUAL 25c.
A Million Everyday Facts of Practical Knowledge and value to anyone whether Farmer, Business Man or Student. 508 pages laden with suggestions that may point the way to a fortune. A storehouse of useful, solid information of intense interest. Limp Cloth 25c. Stiff Cloth 50c. Full Leather \$1.00. Send for sample copy. A harvest for Agents. **B. A. WEEKS & CO., 251 Wabash Ave., Chicago.**

Copy of the
only
award given
for
plans of School
Buildings
at the
World's Fair,
1893.



REEVES & BAILLIE,

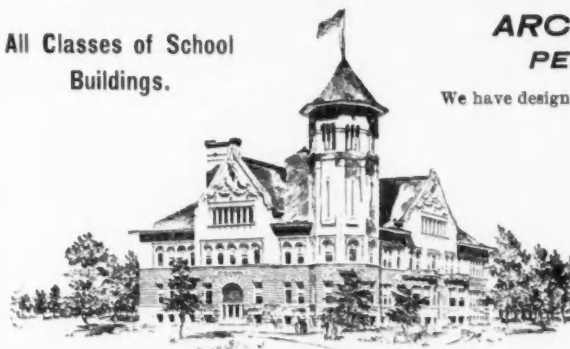
All Classes of School
Buildings.

**ARCHITECTS,
PEORIA, ILL.**

We have designed Schools in Illinois for

Henry, Kankakee, Peoria, Saybrook, Lexington, Wenona, Gilman, Greenville, Canton, Bradford, Tremont, Monticello, Fairbury, Bloomington (3), Lewiston.

School Boards contemplating building, will find it to their advantage to send for our Book of Designs and Plans of Schools we have constructed.



High School, Bloomington, Ill.

J. T. WILSON JENNINGS.

HENRY J. ROSS

JENNINGS & ROSS,
ARCHITECTS,

Suite...

737-738

Unity Bldg.,

CHICAGO.



NEW SOUTH EVANSTON SCHOOL NOW UNDER CONSTRUCTION. COST \$50,000.

We should be pleased to furnish designs for schools and public buildings. Any number of designs furnished free on application. We have in course of construction, and have constructed a number of school and public buildings in the various states. Let us compete for your work.

NATIONAL BLACKBOARD ERASER.



(THOROUGHLY DUSTLESS.)

Adopted by the Chicago Board of Education. Only Eraser that perfectly cleans the board. The Eraser is cleaned by simply rubbing against any suitable object. Cheapest all wool Eraser in the market. We specially solicit correspondence with jobbing Trade.

W. H. LONDERGON & CO., Manufacturers, 401 Duncan Park, Chicago.

Chosen by the
Government

The War Department proposes to test the bicycle for army use, and recently asked for proposals for furnishing bicycles for the purpose. Result: Bids from \$50 to \$85 each for other machines; our bid of \$100 each for Columbias, their invariable price. And the Government selected

Columbia Bicycles
STANDARD OF THE WORLD.

If YOU are able to pay \$100 for a bicycle, why be content with anything but a Columbia?

The experts who made the choice decided that Columbias were worth every dollar of the \$100 asked for them.

Beautiful Art Catalogue of Columbia and Hartford Bicycles is free if you call upon any Columbia Agent; by mail from us for two 2-cent stamps.

POPE MFG. CO., Hartford, Conn.

Branch Stores and Agencies in almost every city and town. If Columbias are not properly represented in your vicinity let us know.

THE NATURAL COURSE IN MUSIC

By Frederick H. Ripley and Thomas Tapper

The latest system of music instruction for public schools. New plan of presenting the subject; new methods of teaching. No other system has had such general recognition and adoption throughout the country. See the partial list below. No series of music books has ever received such unqualified indorsements by leading music critics and experienced music teachers. Read

Partial list of cities that have adopted the Natural Course in Music:—

San Francisco, Cal.
Detroit, Mich.
Indianapolis, Ind.
Columbus, O.
Saginaw Mich.
Covington, Ky.
Portland, Me.
Wheeling, W. Va.
Lancaster, Pa.
Bay City, Mich.
Davenport, Ia.
Wichita, Kas.
Springfield, Mo.
New Brunswick, N. J.
Kalamazoo, Mich.
Keokuk, Ia.
Sedalia, Mo.
Ottumwa, Ia.
Logansport, Ind.
Manistee, Mich.
Muncie, Ind.
Plainfield, N. J.
Irontown, Ohio.
Mt. Vernon, N. Y.
Colorado Springs, Col.
Rondout, N. Y.
Guthrie, Ok.
Jefferson City, Mo.
E. Cleveland, Ohio.

Besides a large number of smaller but important places, and over 500 towns and districts in all parts of the country.

WHAT THEY SAY

REVOLUTIONARY

"The Natural Course in Music has more points of superiority than any other course. I believe to a certain extent it is going to revolutionize music teaching in this country."—Mrs. EMMA A. THOMAS, Supervisor of Music, Detroit, Mich.

AN ADVANCE STEP.

"We believe that the authors of the Natural Music Course have taken an advance step in the development of school music."—HERBERT GRIGGS, Supervisor of Music, Denver, Col.; CAROLINE V. SMITH, State Normal School, Winona, Minn.; C. H. CONGDON, Supervisor of Music, St. Paul, Minn.; P. C. HAYDEN, Supervisor of Music, Quincy, Ill.

THE TEST OF USE.

"My belief in the Natural Course in Music is the outgrowth of practical use in my own classes. In this system we have reached, it seems to me, an 'ultima thule' in music which gives pleasure to teacher and pupils, and the most gratifying results in sight reading."—MARY R. JORDAN, Director of Music, Public Schools, New Brunswick, N. J.

SINCERELY RECOMMENDED.

"The Natural Course in Music has my sincere recommendation."—CARL FAELTEN, Director of Music, New England Conservatory, Boston.

A SAFE PREDICTION.

"I predict an extensive use of the Natural Course in Music."—B. W. BURGESS, Supervisor of Music, E. Cleveland, O.

ALWAYS DISCOVERING NEW AND FAVORABLE POINTS.

"I am using the Natural Music Course before a large class in the Colorado Summer School of Science, Philosophy, and Languages, and discover new points in favor of the charts during each season."—P. M. BACH, Superintendent of Music, Colorado Springs, Col.

EXCELS IN CLEARNESS AND SIMPLICITY.

"It certainly excels in the clear and simple manner of bringing necessary things to the attention of the pupil."—MARTHA A. WEBSTER, Teacher of Music, Wooster, Ohio.

PLEASED AND DELIGHTED.

"I am not merely pleased, I am delighted with it."—G. L. ROBERTSON, Supervisor of Public Schools, Chattanooga, Tenn.

MUCH SUPERIOR TO ANYTHING ELSE OF THE KIND.

"The Natural Course in Music is much superior to anything of the kind I have seen."—CARRIE A. AUCHAN, Teacher of Music, Cincinnati, O.

NOBLE.

"A noble series."—H. M. BUTLER, Indianapolis, Ind.

THE COURSE

Natural Course in Music Primer, 30 cents; First Reader, 30 cents; Second, Third, and Fourth Readers, each 35 cents; Fifth Reader, 50 cents; Natural Music Charts, Series A, B, C, D, E, F, and G, each Series, \$4.00.

Books sent on receipt of the prices. Correspondence with reference to examination and introduction is cordially invited.

AMERICAN BOOK COMPANY,

521-531 Wabash Ave., Chicago.

ESTABLISHED 1870.

GEO. PALLISER, ARCHITECT.

32 Park Place, Cor. Church St., New York.



Plan for District School.

PLANS AND SPECIFICATIONS FOR SCHOOLS for erection in any part of the country carefully drawn and promptly furnished. A large experience in this specialty during many years past enables me to guarantee practical and economical results with the latest and most modern ideas incorporated. I invite correspondence with Trustees and Committees who want these advantages for their constituencies. A representative wanted in every town and county in the United States.

Note cuts of schools designed for different places in the past.

BARTLETT BROS.,

Patentees and Manufacturers of

HEAT EQUALIZERS and THERMOGRAPHS

For Indication, Temperature, Pressure or Fire Alarm from distant points.
For Schools, Churches, Cold Storage and Public Buildings generally.

Offices 716-717, 116 Euclid Ave., CLEVELAND, O.

H. G. KOCH.

H. J. BROWN.

H. G. Koch & Co.,

ARCHITECTS,

School Architecture a Specialty.

100 New Insurance Building, Milwaukee, Wis.



Blue Valley Slate Blackboards

Write for full particulars and prices before placing orders.

NOT IN THE TRUST.

We are the largest handlers of Natural Slate Blackboards in the United States.
JAS. L. FOOTE, Mgr.

† † † The Best in the World.

SLATINGTON-BANGOR SLATE SYNDICATE,

SLATINGTON, PA.

HENRY J. VAN RYN.

Architect.

Schools and Public Buildings a Specialty.

TELEPHONE 1928.

Office Rooms 36 and 37 Merrill Bldg., 211 Grand Ave.,

MILWAUKEE, WIS.

Statistics show that

Two-fifths of the People who Die

are carried off from the effects of breathing the foul air of imperfectly heated and ventilated rooms. Will it pay you to bear this in mind when you are ready to put in your heating apparatus? The

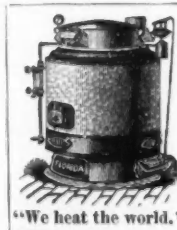
In nearly all of the principal cities and towns of the United States and Canada are established local agencies for the sale and erection of our heaters, where full information may be obtained.

Where there are no agencies, send to us for "Data Blank," which, when filled out by you, will give the information upon which an estimated cost of complete apparatus for the building can be based.

Write:

94 Centre St., NEW YORK
or 84 Lake St., CHICAGO.

"Florida" Steam Boiler



gives out a clean, moist, healthful heat. It is a significant fact that the most thoughtful physicians and sanitarians use the "Florida" Heater.

"This ('Florida') system of steam heating is certainly the safest manner to heat a house, and also the most healthful, as every physician and every hygienist will certify."—JULIUS FEHR, M.D., Hoboken, N. J.
"The air is sweet and pure throughout the whole house."—WM. DOUGALL, M.D., Joliet, Ill.

American Boiler Company.